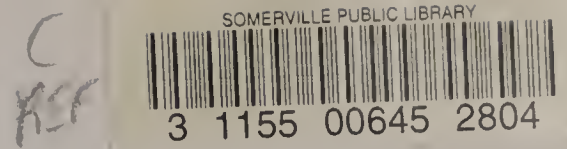


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November 9, 2007
Project 04516-2



Ms. Irene M. Dale
Environmental Engineer
Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection
205B Lowell Street
Wilmington, MA 01887

Geotechnical
Environmental and
Water Resources
Engineering

Dear Ms. Dale:

**Re: Monthly Remedial Monitoring Report No. 6b
50 Tufts Street Property
50 Tufts Street Site
Somerville, MA
RTN 3-23246 (eDEP Transaction #152892)**

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On behalf of UniFirst Corporation (UniFirst) of Wilmington, Massachusetts, GEI Consultants, Inc. is submitting this Remedial Monitoring Report (RMR) No. 6b for the operation of Active Remedial Systems associated with 50 Tufts Street in Somerville, Massachusetts (the Property), Figure 1. The Massachusetts Department of Environmental Protection (DEP) assigned Release Tracking Number (RTN) 3-23246 to the Site.

RMR No. 6b covers the monitoring period from April 30 through September 30, 2007. This RMR was prepared to meet the requirements of the Massachusetts Contingency Plan (MCP) (310 CMR 40.0000). The original Immediate Response Action (IRA) Transmittal Forms (BWSC105, BWSC105A, and BWSC105B) were submitted by eDEP, and copies are provided in Attachment A. BWSC105 has been completed to reflect current and historic immediate response actions to date associated with RTN 3-23246.

This RMR addresses remedial systems at the Property (refer to Figure 2), which includes a sub-slab depressurization system (SSDS) and a soil vapor extraction (SVE) system, which began operating on April 30, 2007 and August 22, 2007, respectively. The first RMR for the SSDS is due to DEP on November 9, 2007 (concurrent with the next scheduled IRA Status Report). The SVE system was installed to remove residual contaminants of concern from soils and to mitigate potential migration of soil vapor, including to 60 Tufts Street (an adjacent residential building). The RMRs associated with the SVE are required monthly following the startup of the system. Because the SSDS and SVE are operated as one integrated system, using the same mechanical equipment and off-gas treatment, operating data for the two systems will be reported jointly. Therefore, this RMR also includes operating data for the SSDS since startup on April 30, 2007.

1. OPERATING STATUS OF ACTIVE REMEDIAL SYSTEM [310 CMR 40.0027(2)(A)]

RMR No. 6b describes monitoring associated with two Active Remedial Systems: the SSDS and SVE at the Property.

Chlorinated volatile organic compounds (VOCs), particularly tetrachloroethylene (PCE), have been measured in soil, groundwater, and indoor air at the Property. An SSDS was installed beneath the Property building and has been operating since April 30, 2007. The SSDS consists of 22 extraction points installed through the floor slab inside the building and connected to three manifold pipes; ten sub-slab soil vapor monitoring points; a skid-mounted 15-horsepower regenerative blower, gauges and controls; a 40-gallon water separator and high-level switch; and two 2,000 pound vapor phase granular activated carbon adsorbers operated in series.

To reduce the mass of VOCs in soil vapor at the 50 Tufts Street property and control its migration, GEI installed an SVE system in July and August 2007. An SVE was installed in the northern and southern parking lots at the Property. The SVE consists of seven slotted SVE extraction points connected underground to header pipes laid in trenches below the parking area. The collection headers daylight near the northwest and southwest corners of the building; the above ground header pipes are connected to the existing pipe manifold inside the blower enclosure. Soil vapor from the SVE headers combines with the flow from the SSDS headers and is treated with the granular activated carbon units.

2. DATE AND NUMBER OF MONITORING EVENTS [310 CMR 40.0027(2)(B)]

2.1. Sub-Slab Depressurization System (SSDS)

The SSDS system was brought online on April 30, 2007. Following system startup, GEI monitored the system in accordance with the Environmental Monitoring Plan documented in IRA Plan Modification No. 5 with an eDEP transaction date of April 26, 2007.

Monitoring generally consisted of:

- Pressure and total VOC concentrations at each of the active SSDS extraction points.
- Soil vapor pressure and VOC concentrations at each sub-slab monitoring point.
- Pressure and total VOC concentrations at each manifold header.
- Pressure and total VOC concentrations in the combined influent and effluent from the off-gas treatment system, and between carbon units (primary tank effluent).

Pressure measurements were taken using a manometer and VOC concentrations were measured using a photoionization detector (PID) calibrated to 100 parts per million (ppm) isobutylene. Monitoring results from system startup (April 30, 2007) through September 30, 2007 are summarized in Table 1, monitoring logs and sampling checklists are in Appendix B, and graphs of the total VOC concentrations at the monitoring and extraction points are in Appendix C.

System monitoring also includes the collection of samples for laboratory analysis from the carbon treatment system influent and effluent to verify PID results. Samples were collected with summa canisters on May 1, 2007 and June 12, 2007, and were submitted to Accutest for laboratory analysis of VOCs by Method TO-15. The results of influent and effluent air monitoring at the Property are summarized in Table 2, and the laboratory reports are provided in Appendix D.

2.2. Soil Vapor Extraction (SVE) System

The SVE system was brought online on August 22, 2007. Similar to SSDS system monitoring, following system startup, GEI measured the system pressure and VOC concentrations at various monitoring points to evaluate whether the system was operating properly, to aid in characterizing

system operation parameters, and to document changes in VOC concentrations at various locations.

Monitoring consisted of:

- Pressure and total VOC concentrations at each of the active SVE System extraction points.
- Soil vapor pressure and total VOC concentrations at selected soil vapor monitoring points.
- Pressure and total VOC concentrations at each manifold header.
- Combined influent and effluent from the off-gas treatment system and between carbon units, conducted in conjunction with the SSDS monitoring program.

Pressure measurements were taken using a manometer and VOC concentrations were measured using a PID calibrated to 100 ppm isobutylene.

A summary of monitoring results from system startup (August 22, 2007) through September 30, 2007 are summarized on Table 3, monitoring logs are in Appendix B, and graphs of the total VOC concentrations at the monitoring and extraction points are in Appendix C.

Because the operation of the SVE System affected the flow rates and sub-slab vacuum of the SSDS, we monitored the SSDS operation on a daily basis during the first week of SVE operation. Although vacuum pressures at SSDS extraction points dropped slightly with the addition of the SVE points, no adjustments were necessary because a sufficient sub-slab vacuum pressure was still attained.

2.3. Indoor and Outdoor Air Monitoring

Indoor and outdoor air samples were collected at the Property on May 1, 2007, May 14, 2007, June 28, 2007, and August 28, 2007 using summa canisters. Samples were submitted to Accutest for laboratory analysis for selected chlorinated VOCs by Method TO-15. Results are summarized in Table 4, and the laboratory reports are provided in Appendix D.

Sampling on August 28, 2007 was conducted after the SVE system startup and before soil excavated during SVE installation and stored in roll-offs was removed from the south parking lot. The presence of stored soil on the Property affected the concentrations of chlorinated VOCs detected in the samples collected on that day. As a result, monitoring conducted on August 28, 2007 is not representative of conditions ordinarily present at the Property.

2.4. Off-Gas Treatment System Tracer Testing

On September 28, 2007, personnel from Environmental Health & Engineering of Newton, Massachusetts conducted tracer testing of the off-gas treatment system. Personnel from GEI and DEP were on site to observe the testing, which included the introduction of the gas sulfur hexafluoride into the SSDS extraction points in the northern portion of the building, and then monitoring the air around the system piping and the carbon tanks. Based on the monitoring, two threaded fittings and the top hatch on one of the carbon tanks were further tightened to eliminate vapor leaks.

3. EFFLUENT CONCENTRATIONS [310 CMR 40.0027(2)(C)]

Influent and effluent from the carbon treatment system is collected for laboratory analysis. Samples were collected with summa cans on May 1, 2007 and June 12, 2007, and were submitted to Accutest for laboratory analysis of VOCs by Method TO-15. The results of these sampling events are summarized in Table 2. Laboratory data reports are in Appendix D.

4. IDENTIFICATION OF DISCHARGES ABOVE PERMISSIBLE DISCHARGE CONCENTRATIONS [310 CMR 40.0027(2)(D)]

The regulatory requirements for off-gas treatment for remedial air emissions are presented in DEP's Policy No. WSC-94-150, "Off-Gas Treatment of Point-Source Remedial Air Emissions." The DEP policy indicates that for systems that would off-gas greater than 100 pounds per year (lbs/yr) of VOCs, off-gas treatment is required and it must remove 95% of the VOC mass present in the influent. Based on the influent VOC concentrations, GEI calculated that the total VOC air emission rates for the mitigation system would be greater than 100 lbs/yr, and therefore, require off-gas treatment. Effluent testing by PID and laboratory analysis, which are presented in Tables 1 through 3, indicate that the existing off-gas treatment system is removing greater than 95% of the VOC mass present in the influent air.

Soil vapor extracted by the SSDS and the SVE system is vented through two tanks each containing 2,000 pounds (lbs.) of granular activated carbon. The tanks are operated in series with the lead tank receiving the untreated system influent, and a polish tank receiving the effluent from the lead tank. The carbon tank configuration is adjusted and carbon change-outs are scheduled when VOC concentrations from the lead tank effluent indicate significant breakthrough. A third tank is used following significant VOC breakthrough of the lead tank, which requires it to be pulled out of service. Change-outs, which take approximately 4 hours, occurred on July 10, 2007, and August 23, 2007. Each change out included removing and placing in drums 2,000 lbs. of granular activated carbon from each of the two spent tanks – 4,000 lbs. total per change out. Each tank was then refilled with 2,000 lbs. of fresh granular activated carbon and system operation continued.

5. RECOVERY RATES AND/OR VOLUMES [310 CMR 40.0027(2)(E)]

The Active Remedial System's granular activated carbon recovers VOCs and some water moisture. The influent and effluent VOC concentrations and flow rates are presented in the monitoring logs in Appendix B, and in Tables 2 and 3.

6. DISCHARGE VOLUMES [310 CMR 40.0027(2)(F)]

The effluent VOC concentrations and air flow rates are presented in the monitoring logs in Appendix B, and in Tables 2 and 3.

7. DATE, LOCATION, TYPE AND VOLUME OF REMEDIAL ADDITIVES APPLICATIONS [310 CMR 40.0027(2)(G)]

No remedial additives have been applied as part of these Active Remedial Systems.

8. GROUNDWATER DATA [310 CMR 40.0027(2)(H)]

No groundwater data have been collected as part of these Active Remedial Systems.

9. RELATED MAPS, GRAPHS OR DIAGRAMS [310 CMR 40.0027(2)(I)]

Related tables, maps and inspection logs are included as attachments and referenced in this report.

Please contact me at (781) 721-4012 or at igladstone@geiconsultants.com if you have any questions regarding this RMR No. 6b.

Very truly yours,

GEI CONSULTANTS, INC.



Ileen S. Gladstone, P.E., LSP
Vice President

MCE/ISG:jah

Attachments:

- Table 1: Sub-Slab Depressurization System (SSDS) Monitoring Results – 50 Tufts Street
- Table 2: Summary of SSDS Influent and Effluent Air Sampling Results – 50 Tufts Street
- Table 3: Soil Vapor Extraction System (SVE) Monitoring Results – 50 Tufts Street
- Table 4: Summary of Indoor and Outdoor Air Testing Results – 50 Tufts Street
- Figure 1: Site Location Map
- Figure 2: 50 Tufts Street Site
- Figure 3: Piping and Equipment Layout for Sub-Slab Depressurization System
- Figure 4a: Soil Vapor Monitoring and Extraction Points (Northern Parking Lot and 60 Tufts Street)
- Figure 4b: Soil Vapor Monitoring and Extraction Points (Southern Parking Lot)
- Attachment A: BWSC105, BWSC105A and BWSC105B
- Attachment B: Weekly Inspection and Monitoring Logs for 50 Tufts Street
- Attachment C: Graphs of SSDS and SVE Total VOC Concentrations
- Attachment D: Laboratory Data Reports

c: John Badey, UniFirst Corporation
Peter Mills, City of Somerville



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Table 1
Sub-Slab Depressurization System (SSDS) Monit
50 Tufts Street
Somerville, Massachusetts

Date:	8/23/2007		8/24/2007		8/28/2007		9/4/2007		9/11/2007		9/18/2007		9/25/2007	
Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)
West Header	-4.37	41	-4.36	--	-4.27	38	-4.28	60	-4.15	50.5	-4.35	49	-4.24	36
Center Header	-4.3	94	-4.24	--	-4.15	72	-4.23	113	-4.07	90.9	-4.29	96	-4.17	70
East Header	-2.01	160	-2.03	--	-1.92	125	-2.13	199	-2.05	157.1	-1.96	159	-1.96	136
North Header	-4.48	5800	-4.46	--	-4.32	2165	-4.41	2278	-4.26	1750	-4.47	1760	-4.31	931
South Header	-4.5	404	-4.44	--	-4.37	277	-4.44	387	-4.27	486	-4.48	308	-4.32	177
Primary Carbon Influent	-5.81	208	-5.78	--	-5.68	158	-5.74	209	-5.56	175.9	-5.82	178	-5.69	136
Primary Carbon Effluent	8.61	36	--	--	--	--	--	52	10.89	0	11.12	9	10.52	51
System Discharge	--	0	--	--	--	0	--	0.2	--	0	--	0	-	0
EP-W1	-3.993	228	--	--	-3.814	225	-3.784	266	-3.789	950	-3.751	224	-3.633	232
EP-W2	-3.109	85	--	--	-3.016	115	-2.962	117	-2.913	170	-2.873	85	-2.864	89.4
EP-W3	-2.348	19	--	--	-2.305	38	-2.235	26	-2.179	48	-2.162	27	-2.163	23.6
EP-W4	-1.712	3	--	--	-1.676	5	-1.611	2.5	-1.569	14.4	-1.585	0	-1.584	0.3
EP-W5	-1.315	0	--	--	-1.308	15	-1.247	1	-1.178	0.3	-1.219	0	-1.221	0
EP-W6	-1.471	0	--	--	-1.411	8	-1.382	1	-1.329	0	-1.343	0	-1.345	0
EP-W7	-1.417	0	--	--	-1.376	5	-1.345	2	-1.279	0.5	-1.287	0	-1.308	0.2
EP-W8	-1.447	21	-1.44	--	-1.408	20	-1.364	20	-1.298	17.2	-1.316	11	-1.331	11
EP-C1	-3.896	11	--	--	-3.762	30	-3.733	10.3	-3.724	86	-3.702	8	-3.591	10.5
EP-C2	-3.942	64	--	--	-3.786	83	-3.754	80	-3.753	344	-3.726	70	-3.637	66
EP-C3	-3.676	72	--	--	-3.512	90	-3.525	102	-3.507	451	-3.476	55	-3.398	76.7
EP-C4	-3.494	2220	--	--	-3.352	1910	-3.349	1700	-3.335	2500	-3.252	1330	-3.215	1230
EP-C5	-3.282	122	--	--	-3.137	128	-3.14	148	-3.131	145.3	-3.109	115	-3.085	120.1
EP-C6	-3.039	0	--	--	-2.896	8	-2.92	1.3	-2.867	1.3	-2.869	0	-2.772	0
EP-C7	-2.562	26	--	--	-2.424	15	-2.457	15	-2.419	10	-2.383	8	-2.381	5.3
EP-C8	-2.836	24	--	--	-2.712	18	-2.736	16.2	-2.665	12.2	-2.638	7.5	-2.634	6.5
EP-C9	-2.875	42	-2.8	--	-2.743	20	-2.775	10	-2.707	7	-2.672	4.5	-2.662	3.8
EP-E1	-1.843	528	--	--	-1.815	480	-1.923	560	-1.976	1000	-1.744	460	-1.761	457
EP-E2	-1.822	26	--	--	-1.755	43	-1.886	33	-1.865	109	-1.691	21	-1.717	22.1
EP-E3	-1.69	5	--	--	-1.633	13	-1.751	4.3	-1.743	9	-1.556	2	-1.591	1.5
EP-E4	-1.708	3	--	--	-1.641	4	-1.759	3.2	-1.724	2.5	-1.584	1	-1.613	1.2
EP-E5	-1.697	0	--	--	-1.653	2.5	-1.768	1	-1.712	0.5	-1.594	0	-1.623	0
SS3	-0.548	79	--	--	--	--	-0.259	121	-0.284	2000	-0.287	64	-0.568	107
SS4	-0.773	16	--	--	--	--	-0.739	107	-0.76	1700	-0.724	107	-0.716	87
SS20	-0.103	6100	-0.13	--	-0.104	5260	-0.117	1800	-0.119	4000	-0.112	1200	-0.107	1600
SS21	-0.594	439	--	--	-0.588	610	-0.611	572	-0.568	1200	-0.475	342	-0.587	390
SS22	-0.543	3	--	--	-0.533	18	-0.528	0.5	-0.487	0	-0.531	0	-0.502	209
SS23	-0.324	29	--	--	-0.321	53	-0.328	42	-0.294	41.1	-0.312	27	-0.315	31.9
SS24	-0.429	0	--	--	-0.414	23	-0.414	0.5	-0.401	0	-0.398	0	-0.417	0
SS25	-0.742	197	-0.72	--	-0.709	68	-0.719	229	-0.705	252	-0.697	192	-0.717	182
SS26	-0.431	3	--	--	-0.442	15	-0.42	1.2	-0.396	0	-0.364	0	-0.408	0
SS27	-0.174	11	-0.19	--	-0.18	25	-0.167	1.7	-0.17	14.6	-0.166	9	-0.167	10.1

General Notes

1. The first day of SSDS operation was April 30, 2007.
 2. VOC = volatile organic compound.
 3. ppm = parts per million.
 4. in. H₂O = inches water.
 5. "--" = not measured.
 6. NI = sample port not installed.
 7. The soil vapor extraction (SVE) system was started up on August 22, 2007.
- * Results obtained during SVE diagnostic test.

Table 1
Sub-Slab Depressurization System (SSDS) Monitoring Results
50 Tufts Street
Somerville, Massachusetts

Date:	4/30/2007		5/1/2007		5/3/2007		5/4/2007		5/5/2007		5/7/2007		5/10/2007		5/14/2007		5/18/2007	
Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)
West Header	-4.59	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-4.42	112	--	--	-4.48	72.5
Center Header	-4.63	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-4.53	168	--	--	-4.59	137.4
East Header	-1.96	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-1.94	507	--	--	-1.92	292
North Header	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
South Header	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Primary Carbon Influent	-7.98	70	--	251	--	229	--	192	-0.94	169	--	201	-7.55	205	--	--	-8.18	153
Primary Carbon Effluent	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	<-10	2.1
System Discharge	6.3	0	--	0	--	0	--	0	6.41	0.8	--	0	4.5	1.4	--	--	5.85	2.8
EP-W1	--	--	--	--	--	--	--	--	--	--	--	--	-4.05	900	--	--	--	--
EP-W2	--	--	--	--	--	--	--	--	--	--	--	--	-3.35	186.9	--	--	--	--
EP-W3	--	--	--	--	--	--	--	--	--	--	--	--	-2.74	26.2	--	--	--	--
EP-W4	--	--	--	--	--	--	--	--	--	--	--	--	-2.06	8.2	--	--	--	--
EP-W5	--	--	--	--	--	--	--	--	--	--	--	--	-1.71	4.4	--	--	--	--
EP-W6	--	--	--	--	--	--	--	--	--	--	--	--	-1.79	13.3	--	--	--	--
EP-W7	--	--	--	--	--	--	--	--	--	--	--	--	-1.76	13.7	--	--	--	--
EP-W8	-1.94	--	--	--	--	--	--	--	--	--	--	--	-1.8	174	-1.6	--	--	--
EP-C1	--	--	--	--	--	--	--	--	--	--	--	--	-4.13	67.7	--	--	--	--
EP-C2	--	--	--	--	--	--	--	--	--	--	--	--	-4.13	440	--	--	--	--
EP-C3	--	--	--	--	--	--	--	--	--	--	--	--	-3.94	99	--	--	--	--
EP-C4	--	--	--	--	--	--	--	--	--	--	--	--	-3.73	2.16	--	--	--	--
EP-C5	--	--	--	--	--	--	--	--	--	--	--	--	-3.55	366	--	--	--	--
EP-C6	--	--	--	--	--	--	--	--	--	--	--	--	-3.31	10.7	--	--	--	--
EP-C7	--	--	--	--	--	--	--	--	--	--	--	--	-2.93	57.2	-2.64	--	--	--
EP-C8	-3.15	--	--	--	--	--	--	--	--	--	--	--	-3.13	69.9	--	--	--	--
EP-C9	-3.21	--	--	--	--	--	--	--	--	--	--	--	-3.17	162	--	--	--	--
EP-E1	--	--	--	--	--	--	--	--	--	--	--	--	-1.81	2.42	--	--	--	--
EP-E2	--	--	--	--	--	--	--	--	--	--	--	--	-1.8	72	--	--	--	--
EP-E3	--	--	--	--	--	--	--	--	--	--	--	--	-1.68	97.7	--	--	--	--
EP-E4	--	--	--	--	--	--	--	--	--	--	--	--	-1.71	23.4	--	--	--	--
EP-E5	-1.72	--	--	--	--	--	--	--	--	--	--	--	-1.71	4.4	-1.61	--	--	--
SS3	-0.29	--	--	--	--	--	--	--	--	--	--	--	-0.23	409	-0.255	--	--	--
SS4	-0.68	--	--	--	--	--	--	--	--	--	--	--	-0.58	875	-0.592	--	--	--
SS20	--	--	--	--	--	--	--	--	--	--	--	--	-0.12	--	-0.098	--	--	--
SS21	--	--	--	--	--	--	--	--	--	--	--	--	-0.52	--	-0.486	--	--	--
SS22	--	--	--	--	--	--	--	--	--	--	--	--	-0.54	--	-0.489	--	--	--
SS23	--	--	--	--	--	--	--	--	--	--	--	--	-0.31	--	-0.304	--	--	--
SS24	--	--	--	--	--	--	--	--	--	--	--	--	-0.38	--	-0.396	--	--	--
SS25	--	--	--	--	--	--	--	--	--	--	--	--	-0.81	--	-0.772	--	--	--
SS26	--	--	--	--	--	--	--	--	--	--	--	--	-0.51	--	-0.448	--	--	--
SS27	--	--	--	--	--	--	--	--	--	--	--	--	-0.18	--	-0.152	--	--	--

General Notes
1. The first day of SSDS operation was April 30, 2007.
2. VOC = volatile organic compound.
3. ppm = parts per million.
4. in. H₂O = inches water.
5. "--" = not measured.
6. NI = sample port not installed.
7. The soil vapor extraction (SVE) system was started up on August 22, 2007.
* Results obtained during SVE diagnostic test.

Table 1
Sub-Slab Depressurization System (SSDS) Monit
50 Tufts Street
Somerville, Massachusetts

Date:	5/25/2007		6/1/2007		6/3/2007		6/8/2007		6/12/2007		6/19/2007		6/26/2007		7/3/2007		7/10/2007	
Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)
West Header	-4.37	53	-3.6	84.9	--	--	-4.85	56.5	-4.51	56.4	-4.55	63.7	-4.81	15.3	-4.65	73	-4.77	16.7
Center Header	-4.42	230.1	-3.65	180.4	--	--	-4.89	112.9	-4.57	116.1	-4.59	127.1	-4.87	40.3	-4.84	157.3	-4.87	33.8
East Header	-1.97	306	-1.64	593	--	--	-2.12	219.4	-1.98	296	-1.97	217.4	-2.02	64.8	-1.93	332	-1.98	66.8
North Header	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
South Header	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
Primary Carbon Influent	-7.57	126.7	-6.23	170.4	--	139	-8.57	98.6	-7.93	92.3	-8.01	100.5	-8.44	27.6	-8.45	138	-8.51	31.2
Primary Carbon Effluent	<-10	40.3	--	--	--	43	18.05	140	--	--	--	--	10.31	0	10.4	4.6	10.33	13.7
System Discharge	5.13	0.9	4.14	0	--	0	--	0	--	0.5	--	0.3	--	0	--	0	--	0
EP-W1	--	--	--	--	--	--	--	--	-4.207	365	-4.134	296	-4.441	157.7	--	--	--	--
EP-W2	--	--	--	--	--	--	--	--	-3.329	102.6	-3.323	111.9	-3.498	30.5	--	--	--	--
EP-W3	--	--	--	--	--	--	--	--	-2.697	11.3	-2.641	15.1	-2.801	3.1	--	--	--	--
EP-W4	--	--	--	--	--	--	--	--	-1.988	4.3	-1.937	5.8	-2.034	0.9	--	--	--	--
EP-W5	--	--	--	--	--	--	--	--	-1.632	1.6	-1.568	2	-1.661	0	--	--	--	--
EP-W6	--	--	--	--	--	--	--	--	-1.734	1.4	-1.678	1.8	-1.757	0	--	--	--	--
EP-W7	--	--	--	--	--	--	--	--	-1.675	4.1	-1.627	4	-1.713	0.5	--	--	--	--
EP-W8	--	--	--	--	--	--	--	--	-1.714	47.4	-1.669	53.4	-1.749	11.3	--	--	--	--
EP-C1	--	--	--	--	--	--	--	--	-4.192	17.8	-4.191	23.2	-4.453	5.4	--	--	--	--
EP-C2	--	--	--	--	--	--	--	--	-4.203	157.2	-4.22	140.7	-4.547	36.2	--	--	--	--
EP-C3	--	--	--	--	--	--	--	--	-3.985	80.9	-3.987	102.4	-4.238	28.6	--	--	--	--
EP-C4	--	--	--	--	--	--	--	--	-3.773	1653	-3.734	500	-3.994	273	--	--	--	--
EP-C5	--	--	--	--	--	--	--	--	-3.565	180.4	-3.55	177.9	-3.79	60.5	--	--	--	--
EP-C6	--	--	--	--	--	--	--	--	-3.287	2.8	-3.272	4.1	-3.494	0.3	--	--	--	--
EP-C7	--	--	--	--	--	--	--	--	-2.768	33.5	-2.767	44.1	-2.913	12.9	--	--	--	--
EP-C8	--	--	--	--	--	--	--	--	-3.082	54.4	-3.071	67.9	-3.224	14.4	--	--	--	--
EP-C9	--	--	--	--	--	--	--	--	-3.151	88.5	-3.127	101.2	-	-	--	--	--	--
EP-E1	--	--	--	--	--	--	--	--	-1.856	1179	-1.841	500	-1.903	111	--	--	--	--
EP-E2	--	--	--	--	--	--	--	--	-1.849	51	-1.813	53.5	-1.867	11.7	--	--	--	--
EP-E3	--	--	--	--	--	--	--	--	-1.738	10.2	-1.712	12.4	-1.761	1.8	--	--	--	--
EP-E4	--	--	--	--	--	--	--	--	-1.768	7	-1.735	9.5	-1.77	1.2	--	--	--	--
EP-E5	--	--	--	--	--	--	--	--	-1.757	2.3	-1.725	2.1	-1.779	0	--	--	--	--
SS3	--	--	--	--	--	--	--	--	-0.272	170.9	-0.287	114.3	-0.323	27.9	--	--	--	--
SS4	--	--	--	--	--	--	--	--	-0.773	1.6	-0.776	-	-0.827	25.5	--	--	--	--
SS20	--	--	--	--	--	--	--	--	-0.096	2158	-0.103	500	-0.115	434	--	--	--	--
SS21	--	--	--	--	--	--	--	--	-0.598	471	-0.598	259.7	-0.635	76.5	--	--	--	--
SS22	--	--	--	--	--	--	--	--	-0.572	1010	-0.573	335	-0.626	73.9	--	--	--	--
SS23	--	--	--	--	--	--	--	--	-0.345	17.6	-0.328	58.9	-0.367	12.9	--	--	--	--
SS24	--	--	--	--	--	--	--	--	-0.424	1.2	-0.425	0.4	-0.466	0.2	--	--	--	--
SS25	--	--	--	--	--	--	--	--	-0.803	532	-0.783	257.7	-0.821	66.5	--	--	--	--
SS26	--	--	--	--	--	--	--	--	-0.497	3.2	-0.472	1.9	-0.539	0.2	--	--	--	--
SS27	--	--	--	--	--	--	--	--	-0.179	45.2	-0.178	37.5	-0.195	7.9	--	--	--	--

General Notes
1. The first day of SSDS operation was April 30, 2007.
2. VOC = volatile organic compound.
3. ppm = parts per million.
4. in. H₂O = inches water.
5. "--" = not measured.
6. NI = sample port not installed.
7. The soil vapor extraction (SVE) system was started up on August 22, 2007.
* Results obtained during SVE diagnostic test.

Table 1
Sub-Slab Depressurization System (SSDS) Monit
50 Tufts Street
Somerville, Massachusetts

Date:	7/17/2007		7/24/2007		7/31/2007*		7/31/2007		8/7/2007		8/19/2007		8/20/2007		8/21/2007		8/22/2007	
Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)
West Header	-4.55	45.1	-4.55	87.6	-5.86	16	-4.7	43.5	-4.65	50.3	-4.3	61.1	-4.83	56	-4.72	46	-3.59	46
Center Header	-4.65	101.8	-4.58	155.1	-6.08	31.9	-4.93	141.1	-4.83	136.2	-4.5	157	-4.58	131	-4.54	113	-3.61	118
East Header	-1.88	195.6	-1.89	266	-3.75	55.9	-1.85	171.7	-1.78	222.2	-1.4	239.6	-1.87	218	-1.86	196	-3.63	176
North Header	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	--	--	--	--	-3.69	8200
South Header	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	-4.94	684	-4.93	470	-3.75	467
Primary Carbon Influent	-8.13	82.2	-8.21	127.5	-9.56	29.3	-8.37	89.7	-8.39	100.7	-8.2	114	-6.25	119	-6.18	104	-5.7	234
Primary Carbon Effluent	--	--	--	--	--	--	--	--	--	--	9.5	18.1	--	21.9	10.17	28	--	19.4
System Discharge	--	0.2	--	1.1	--	0	--	0	--	0	-	0	--	0	--	0	--	0
EP-W1	--	--	-4.142	498	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-W2	--	--	-3.267	145.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-W3	--	--	-2.55	107.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-W4	--	--	-1.856	10.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-W5	--	--	-1.457	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-W6	--	--	-1.594	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-W7	--	--	-1.547	5.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-W8	--	--	-1.557	55.3	--	--	--	--	--	--	--	--	-1.553	-	-1.518	-	-1.381	-
EP-C1	--	--	-4.239	213	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-C2	--	--	-4.265	127.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-C3	--	--	-4.003	111.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-C4	--	--	-3.789	3000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-C5	--	--	-3.596	188.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-C6	--	--	-3.27	5.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-C7	--	--	-2.725	59.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-C8	--	--	-3.071	65.4	--	--	--	--	--	--	--	--	-2.954	-	-2.936	-	-2.712	-
EP-C9	--	--	-3.121	119	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-E1	--	--	-1.754	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-E2	--	--	-1.71	62.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-E3	--	--	-1.603	67.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-E4	--	--	-1.635	11.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--
EP-E5	--	--	-1.631	3.6	--	--	--	--	--	--	--	--	-1.583	-	-1.553	--	-1.603	--
SS3	--	--	-0.294	64.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS4	--	--	-0.835	163	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS20	--	--	-0.125	3000	--	--	--	--	--	--	--	--	-0.098	--	-0.101	--	-0.094	--
SS21	--	--	-0.607	589	--	--	--	--	--	--	--	--	-0.585	--	-0.597	--	-0.568	--
SS22	--	--	-0.595	1200	--	--	--	--	--	--	--	--	-0.549	--	-0.577	--	-0.528	--
SS23	--	--	-0.368	61.6	--	--	--	--	--	--	--	--	-0.339	--	-0.332	--	-0.321	--
SS24	--	--	-0.446	2	--	--	--	--	--	--	--	--	-0.443	--	-0.443	--	-	--
SS25	--	--	-0.78	265	--	--	--	--	--	--	--	--	-0.738	--	-0.741	--	-0.709	--
SS26	--	--	-0.475	3	--	--	--	--	--	--	--	--	-0.447	--	-0.437	--	-	--
SS27	--	--	-0.184	103.5	--	--	--	--	--	--	--	--	-0.169	--	-0.168	--	-0.176	--

General Notes
1. The first day of SSDS operation was April 30, 2007.
2. VOC = volatile organic compound.
3. ppm = parts per million.
4. in. H₂O = inches water.
5. "--" = not measured.
6. NI = sample port not installed.
7. The soil vapor extraction (SVE) system was started up on August 22, 2007.
* Results obtained during SVE diagnostic test.

Table 2
Summary of SSDS Influent and Effluent Air Sampling Results
 50 Tufts Street
 Somerville, MA

Sample Location: Sample Name: Sample Date: Collected By: Units:			Carbon Influent				Carbon Effluent			
			04516-50T-INF 5/1/07 GEI		045162-50 TUFT-INF 6/12/07 GEI		04516-50T-EFF 5/1/07 GEI		045162-50 TUFT-EFF 6/12/07 GEI	
			µg/m ³	ppbV	µg/m ³	ppbV	µg/m ³	ppbV	µg/m ³	ppbV
Analyte	DEP Background									
Volatile Organic Compounds (VOCs)										
Acetone	NS	NS	7440	3130	<1400	<600	848 E	357 E	<24	<10
Benzene			<160	<50	<1900	<600	3.0	0.93	<32	<10
Chloroethane			<53	<20	<630	<240	<0.53	<0.2	<11	<4.0
Chloroform			<240	<50	<2900	<600	<0.53	<0.20	93.8	19.2
Chloromethane	1	0.16	<130	<20	<630	<240	0.89 J	0.43 J	<21	<10
Carbon tetrachloride			<130	<20	<1500	<240	<1.3	<0.20	<25	<4.0
1,1 Dichloroethane			<81	<20	<970	<240	<0.81	<0.2	14 J	3.4 J
cis-1,2-Dichloroethylene			<79	<20	<950	<240	<0.79	<0.2	31	7.7
1,1-Dichloroethylene	NS	NS	341	86.1	<950	<240	<0.79	<0.20	519	131
1,4-Dioxane			936	260	<2200	<600	<1.8	<0.50	<36	<10
Ethylbenzene			342	78.7	<2600	<600	<2.2	<0.5	<43	<10
Freon 113			209 J	27.3 J	<4600	<600	<3.8	<0.5	<77	<10
Methylene chloride			1650	476	<2100	<600	<1.7	<0.5	<35	<10
Methyl ethyl ketone			<150	<50	<1800	<600	7.7	2.6	<29	<10
Methyl Isobutyl Ketone			<200	<50	<2500	<600	3.4	0.82	<41	<10
Propylene			<86	<50	<1000	<600	198 E	115 E	<17	<10
Tetrachloroethylene (PCE)	11	1.6	392000	57800	347000 G	51100 G	<1.4	<0.20	117	17.3
Tetrahydrofuran	30	5.41	663	225	<1800	<600	5.9	2.0	<29	<10
1,1,1-Trichloroethane			13700	2510	12800	2340	<1.1	<0.20	8780	1610
Trichloroethylene (TCE)			15700	2920	5800	1080	<1.1	<0.20	28	5.2
Vinyl Chloride			<51	<20	<610	<240	<0.51	<0.20	<10	<4.0
m,p-Xylene	NS	NS	1540	354	<2600	<600	<2.2	<0.5	<43	<10
o-Xylene			534	123	<2600	<600	<2.2	<0.5	<43	<10

General Notes:

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. µg/m³ = micrograms per cubic meter.
3. ppbv = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes:

- J The reported result is below the laboratory reporting limit and is estimated.
 G The reported result is estimated due to duplicate precision outside control limits.
 E Value exceeds calibration range

Table 3
Soil Vapor Extraction System (SVE) Monitoring Results
50 Tufts Street
Somerville, Massachusetts

Date:	8/20/2007		8/21/2007		8/22/2007		8/23/2007		8/24/2007		8/28/2007		9/4/2007		9/11/2007		9/18/2007		9/25/2007	
Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)	Pressure (in. H ₂ O)	VOC (ppm)
West Header	-4.83	56	-4.72	46	-4.25	46	-4.9	41	-4.36	-	-4.27	38	-4.28	60	-4.15	50.5	-4.35	49	-4.24	36
Center Header	-4.58	131	-4.54	113	-4.21	118	-4.86	94	-4.24	-	-4.15	72	-4.23	113	-4.07	90.9	-4.29	96	-4.17	70
East Header	-1.87	218	-1.86	196	-1.91	176	-2.25	160	-2.03	-	-1.92	125	-2.13	199	-2.05	157.1	-1.96	159	-1.96	136
North Header	--	--	--	--	-4.28	8200	-5.11	5800	-4.46	-	-4.32	2165	-4.41	2278	-4.26	1750	-4.47	1760	-4.31	931
South Header	-4.94	684	-4.93	470	-4.31	467	-5.12	404	-4.44	-	-4.37	277	-4.44	387	-4.27	486	-4.48	308	-4.32	177
Primary Carbon Influent	-6.25	119	-6.18	104	-5.7	234	-6.68	208	-5.78	-	-5.68	158	-5.74	209	-5.56	175.9	-5.82	178	-5.69	136
Primary Carbon Effluent	--	21.9	10.17	28	--	19.4	8.61	36	--	--	--	0	--	52	10.89	0	11.12	9	10.52	51
System Discharge	--	0	--	0	--	0	--	0	--	--	--	0	--	0.2	NM	0	NM	0	--	0
SVE-1	NI	NI	NI	NI	-4.34	157	-4.96	89	--	--	-4.305	30	-4.31	22	-4.387	184	-4.3	12	-4.16	11.8
SVE-2	NI	NI	NI	NI	-4.31	428	-4.96	276	--	--	-4.307	55	-4.32	49	-4.345	162	-4.31	22	-4.12	22.5
SVE-3	NI	NI	NI	NI	-4.38	6450	-4.97	2300	--	--	-4.267	630	-4.28	621	-4.33	491	-4.27	426	-4.11	479
SVE-4	NI	NI	NI	NI	-4.32	1009	-4.98	465	--	--	-4.315	726	-4.3	510	-4.35	340	-4.31	224	-4.15	213
SVE-5	NI	NI	NI	NI	-4.35	8000	-5.01	4000	--	--	-4.318	4040	-4.29	1500	-4.36	1200	-4.31	1100	-4.16	1519
SVE-6	-4.98	197	-4.91	152	-4.39	139	-4.98	121	--	--	-4.366	72	-4.39	102	-4.46	312	-4.44	112	-4.25	87
SVE-7	-4.98	577	-4.97	263	-4.37	368	-4.97	266	--	--	-4.376	165	-4.41	320	-4.46	790	-4.45	258	-4.24	330
SVT-MW201D	--	--	--	--	--	--	--	--	--	--	-0.045	0	-0.049	2	-0.065	20	-0.048	1	-0.052	1.7
SVT-MW201S	--	--	--	--	--	--	--	--	--	--	0	0	-0.004	3.5	-0.004	15	-0.005	2	0	1.8
SVT-MW202D	--	--	--	--	--	--	--	--	--	--	-0.013	0	-0.012	0.5	-0.019	0	-0.012	0	-0.008	0
SVT-MW202S	--	--	--	--	--	--	--	--	--	--	0	0	0	1.5	0	0	0	0	0	0.2
SVT-1D	--	--	--	--	-0.32	1.4	-0.36	28	--	--	-0.6	2.5	-0.327	7.5	-0.321	196	-1.405	2	-0.226	0
SVT-2D	--	--	--	--	-0.73	19.4	-0.81	38	--	--	-1.1	5	-0.715	10.7	-0.753	124	-0.712	1	-0.669	0
SVT-3D	--	--	--	--	-0.14	5	0.301	4	--	--	0.36	12.4	-0.058	22	-0.149	15	-0.092	0	-0.096	9.1
SVT-3S	--	--	--	--	-0.31	40	-0.749	24	--	--	-0.07	7.5	-0.074	11.6	-0.095	3.2	-0.085	4	-0.286	3.8
SVT-4D	--	--	--	--	-	-	0.138	38	--	--	0.25	17.5	-0.065	21	-0.107	16	-0.092	1	-0.074	7.5
SVT-5D	--	--	--	--	-1.46	7.4	-1.736	23	--	--	-1.49	0	-1.443	30	-1.594	105	-1.517	11	-1.358	12.1
SVT-5S	--	--	--	--	-0.52	129	-0.635	42	--	--	-0.54	2.5	-0.523	11.7	-0.703	124	-0.636	5	-0.545	5.2
SVT-6D	--	--	--	--	--	--	-1.257	248	--	--	-1.19	53	-1.187	67	-1.351	44	-1.217	13	-1.141	25.8
SVT-7D	--	--	--	--	--	--	-0.027	4	--	--	-0.025	2.5	-0.03	1.3	-0.017	0	-0.032	1	-0.022	0.2
SVT-8D	--	--	--	--	--	--	-1.98	1850	--	--	-1.731	541	-0.18	196	-1.827	7000	-1.642	116	-1.568	199
SVT-8S	--	--	--	--	--	--	-0.21	600	--	--	-0.183	180	-1.697	734	-0.258	1050	-0.214	707	-0.171	534
SVT-9D	--	--	--	--	-0.79	1500	-0.805	1370	--	--	-0.778	830	-0.769	1000	-1.003	1000	-0.836	1173	-0.716	933
SVT-9S	--	--	--	--	-0.53	2500	-0.31	2350	--	--	-0.695	2029	-0.285	1300	-1.102	928	-1.011	632	-0.347	877
SVT-10D	--	--	--	--	--	--	-0.01	5	--	--	0.394	38	0.11	4	-0.016	0	--	1	-0.008	2.2
SVT-11S	--	--	--	--	--	--	-0.008	1.3	--	--	-0.008	35	-0.007	0.5	-0.048	0	--	0	-0.005	0
SVT-12D	--	--	--	--	--	--	-0.019	1.3	--	--	-0.021	40	-0.008	3	-0.161	5	-0.125	6	--	--
SVT-12S	--	--	--	--	--	--	-0.009	1.3	--	--	-0.01	38	0.314	8	-0.09	0	--	1.3	--	0
SVT-14S	--	--	--	--	--	--	-0.004	98	--	--	-0.006	162	-0.003	148	-0.008	115	-0.005	117	-0.005	24.6
SVT-15D	--	--	--	--	--	--	-0.013	1.3	--	--	-0.015	0	-0.013	1.5	-0.013	0	-0.015	0	-0.014	0
SVT-16D	--	--	--	--	--	--	-0.367	6	--	--	-0.305	18	-0.221	29	-0.01	36	-0.155	21	-0.219	14
SVT-16S	--	--	--	--	--	--	-0.003	36	--	--	-0.007	33	-0.287	90	-0.009	73	0	30	-0.18	47
SVT-17D	--	--	--	--	--	--	--	--	--	--	0.68	30	0.41	53	-0.006	114	0	41	-0.011	38
SVT-17S	--	--	--	--	--	--	--	--	--	--	0.006	33	0	45	-0.005	45	0	35	-0.007	31
SVT-18D	--	--	--	--	--	--	--	--	--	--	0.006	68	0.004	123	0	137	0	164	0	147
SVT-19D	--	--	--	--	--	--	0.12	270	--	--	-0.011	190	-0.007	266	-0.012	420	0	441	-0.007	291
SVT-20D	--	--	--	--	--	--	0	50	--	--	0.003	30	0	33	0	91	0	72	0	39
SVT-20S	--	--	--	--	--	--	0	36	--	--	0	26	0	29	0	70	0	48	0	23
SVT-21D	--	--	--	--	--	--	--	--	--	--	0.004	50	0	87	-0.002	125	0	101	0.36	79
SVT-22D	--	--	--	--	--	--	-0.119	290	--	--	-0.181	208	-0.185	140	-0.264	870	-0.209	141	-0.17	99
SVT-22S	--	--	--	--	--	--	-0.003	86	--	--	-0.005	60	-0.173	55	-0.005	163	0	11	-0.15	6
SVT-23D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	NM	0.234	27	0.34	40
SVT-24D	--	--	--	--	--	--	--	--	--	--	0	23	0	28	0	76	0	49	0	33
SVT-25D	--	--	--	--	--	--	--	--	--	--	--	--	0	30	0	34	0	28	--	--
SVT-25S	--	--	--	--	--	--	--	--	--	--	--	--	0	0	0	0	0	0	--	--
SVT-26D	--	--	--	--	--	--	--	--	--	--	--	--	0	0.6	0	7	0	0	--	--
SVT-27D	--	--	--	--	--	--	--	--	--	--	--	--	0.004	0.4	0	0	0.006	0	--	--

General Notes

1. The SVE system was started up on August 22, 2007.
2. VOC = volatile organic compound.
3. ppm = parts per million.
4. in. H₂O = inches water.
5. "--" = not measured.
6. Header readings on 8/23/07 were taken with one carbon tank in series. All monitoring point readings were taken with two carbon tanks in series.
7. SVT monitoring points listed on 9/11/07 were measured on 9/12/07 due to rain.
8. NI = not installed.
9. South header online August 20, 2007.

Table 4
Summary of Indoor and Outdoor Air Testing Results
50 Tufts Street
Somerville, MA

Sample Location: Sample Name: Sample Date: Collected By: Units:		North Parking Lot								Northwest Warehouse								North Office							
		04516-50T-NP 5/1/07 GEI		04516-NP 5/14/07 GEI		045162-NP 6/28/07 GEI		04516-50T-NP 8/28/07 GEI		04516-50T-NW 5/1/07 GEI		04516-NW 5/14/07 GEI		045162-NW 6/28/07 GEI		04516-50T-NW 8/28/07 GEI		04516-50T-NO 5/1/07 GEI		04516-NO 5/14/07 GEI		045162-NO 6/28/07 GEI		04516-50T-NO 8/28/07 GEI	
		µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv
		µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv	µg/m³	ppbv
Analyte	Method																								
Volatile Organic Compounds (VOCs)	TO-15																								
Carbon tetrachloride		0.75 J	0.12 J	<1.3	<0.20	<1.3	<0.20	0.63 J	0.10 J	0.75 J	0.12 J	<1.3	<0.20	0.69 J	0.11 J	0.69 J	0.11 J	0.69 J	0.11 J	<1.3	<0.20	0.61 J	0.097 J	0.63 J	0.10 J
1,1 Dichloroethane		<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20
cis-1,2-Dichloroethylene		<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20
1,1-Dichloroethylene		<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20
Tetrachloroethylene (PCE)		1.8	0.26	7.5	1.1	12 G	1.7 G	14	2	33	4.8	11	1.6	15 G	2.2 G	45	6.6	34	5.0	6.4	0.94	8.8 G	1.3 G	8.8	1.3
1,1,1-Trichloroethane		0.38 J	0.070 J	0.98 J	0.18 J	2.0	0.36	2	0.36	2.6	0.48	<1.1	<0.20	0.60 J	0.11 J	4	0.73	3.0	0.55	<1.1	<0.20	0.87 J	0.16 J	0.93 J	0.17 J
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	1.6	0.30	1.60	0.29	4.1	0.76	<1.1	<0.20	<1.1	<0.20	2.8	0.53	5.4	1.0	<1.1	<0.20	0.70 J	0.13 J	0.91 J	0.17 J

- General Notes:**
1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
 2. µg/m³ = micrograms per cubic meter.
 3. ppbv = parts per billion by volume.
 4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

- Qualifying Notes:**
- J The reported result is below the laboratory reporting limit and is estimated.
 - G The reported result is estimated due to laboratory duplicate precision outside control limits.
 - P The reported result is estimated due to field duplicate precision outside control limits.

Table 4
Summary of Indoor and Outdoor Air Testing Results
50 Tufts Street
Somerville, MA

Sample Location: Sample Name: Sample Date: Collected By: Units:		South Office								North Central Warehouse								South Garage							
		04516-50T-SO		04516-SO		045162-SO		04516-50T-SO		04516-50T-NC		04516-NC		045162-NC		04516-50T-NC		04516-50T-GA		04516-GA		045162-GA		04516-50T-GA	
		5/1/07		5/14/07		6/28/07		8/28/07		5/1/07		5/14/07		6/28/07		8/28/07		5/1/07		5/14/07		6/28/07		8/28/07	
		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
		µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv
Analyte	Method																								
Volatile Organic Compounds (VOCs)		TO-15																							
Carbon tetrachloride		0.75 J	0.12 J	<1.3	<0.20	0.69 J	0.11 J	0.61 J	0.097 J	0.75 J	0.12 J	<1.3	<0.20	0.60 J	0.096 J	0.59 J	0.093 J	0.75 J	0.12 J	<1.3	<0.20	0.69 J	0.11 J	0.69 J	0.11 J
1,1 Dichloroethane		<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20
cis-1,2-Dichloroethylene		<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20
1,1-Dichloroethylene		<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20
Tetrachloroethylene (PCE)		38	5.6	14	2.0	18 G	2.7 G	15.0	2.2	47	7.0	30	4.4	16 G	2.3 G	69.2	10.2	50	7.3	26	3.9	22 G	3.2 G	79.3	11.7
1,1,1-Trichloroethane		1.9	0.34	<1.1	<0.20	0.55 J	0.10 J	1.4	0.25	1.4	0.25	<1.1	<0.20	<1.1	<0.20	3.7	0.67	1.5	0.28	<1.1	<0.20	<1.1	<0.20	5.2	0.95
Trichloroethylene (TCE)		3.4	0.64	<1.1	<0.20	0.81 J	0.15 J	1.4	0.26	2.0	0.37	<1.1	<0.20	<1.1	<0.20	3.4	0.63	2.4	0.44	<1.1	<0.20	<1.1	<0.20	4.4	0.82

- General Notes:**
- 1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
 - 2. µg/m³ = micrograms per cubic meter.
 - 3. ppbv = parts per billion by volume.
 - 4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

- Qualifying Notes:**
- J The reported result is below the laboratory reporting limit and is estimated.
 - G The reported result is estimated due to laboratory duplicate precision outside control limits.
 - P The reported result is estimated due to field duplicate precision outside control limits.

Table 4
Summary of Indoor and Outdoor Air Testing Results
50 Tufts Street
Somerville, MA

Sample Location: Sample Name: Sample Date: Collected By: Units:		South Parking Lot								South Central Warehouse								Indoor Air Duplicate of South Central Warehouse							
		04516-50T-SP		04516-SP		045162-SP		04516-50T-SP		04516-50T-SC		04516-SC		045162-SC		04516-50T-SC		04516-50T-IA		04516-IA		045162-IA		04516-50T-IA	
		5/1/07		5/14/07		6/28/07		8/28/07		5/1/07		5/14/07		6/28/07		8/28/07		5/1/07		5/14/07		6/28/07		8/28/07	
		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
		µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv	µg/m ³	ppbv
Analyte	Method																								
Volatile Organic Compounds (VOCs)		TO-15																							
Carbon tetrachloride		0.69 J	0.11 J	0.63 J	0.10 J	<1.3	<0.20	0.69 J	0.11 J	< 1.3	< 0.20	<1.3	<0.20	0.69 J	0.11 J	0.75 J	0.12 J	0.69 J	0.11 J	0.63 J	0.10 J	<1.3	<0.20	0.69 J	0.11 J
1,1 Dichloroethane		<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20	<0.81	<0.20
cis-1,2-Dichloroethylene		<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20
1,1-Dichloroethylene		<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20	<0.79	<0.20
Tetrachloroethylene (PCE)		3.7	0.54	2.8	0.4	1.8 G	0.26 G	160	23.60	43 P	6.4 P	23 P	3.4 P	18 GP	2.6 GP	66.0	9.7	8.1 P	1.2 P	6.8 P	1.0 P	10 GP	1.5 GP	63	9.3
1,1,1-Trichloroethane		< 1.1	< 0.20	<1.1	<0.20	<1.1	<0.20	16	2.9	1.3	0.24	<1.1	<0.20	0.50 J	0.092 J	4.7	0.87	1.2	0.22	<1.1	<0.20	<1.1	<0.20	4.4	0.81
Trichloroethylene (TCE)		< 1.1	< 0.20	<1.1	<0.20	<1.1	<0.20	12	2.2	2.0	0.37	<1.1	<0.20	<1.1	<0.20	3.8	0.7	1.6	0.29	<1.1	<0.20	<1.1	<0.20	3.6	0.67

- General Notes:**
- Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
 - µg/m³ = micrograms per cubic meter.
 - ppbv = parts per billion by volume.
 - "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

- Qualifying Notes:**
- J The reported result is below the laboratory reporting limit and is estimated.
 - G The reported result is estimated due to laboratory duplicate precision outside control limits.
 - P The reported result is estimated due to field duplicate precision outside control limits.



Geotechnical
Environmental and
Water Resources
Engineering





0 1000 2000 4000 6000
SCALE, FEET



This Image provided by MassGIS is taken from
U.S.G.S. Topographic 7.5 X 15 Minute Series
Boston North, MA Quadrangle, 1985.
Datum is National Geodetic Vertical Datum (NGVD).
Contour Interval is 3 Meters.

Remedial Monitoring Report No. 6b
50 Tufts Street
Somerville, Massachusetts
UniFirst Corporation
Wilmington, Massachusetts



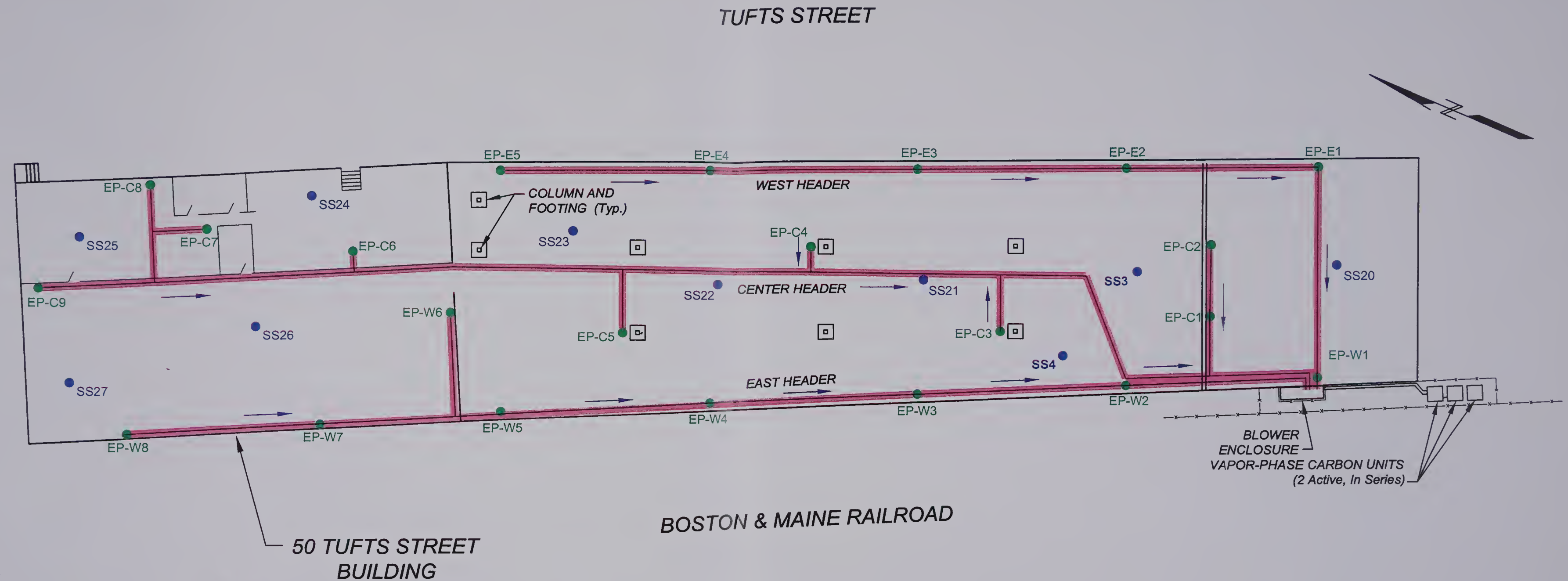
Project 04516-2

SITE LOCATION MAP

November 2007

Fig. 1



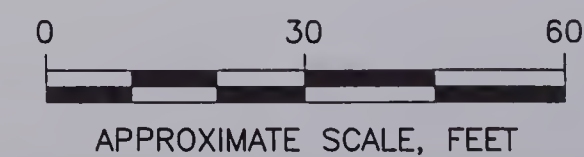


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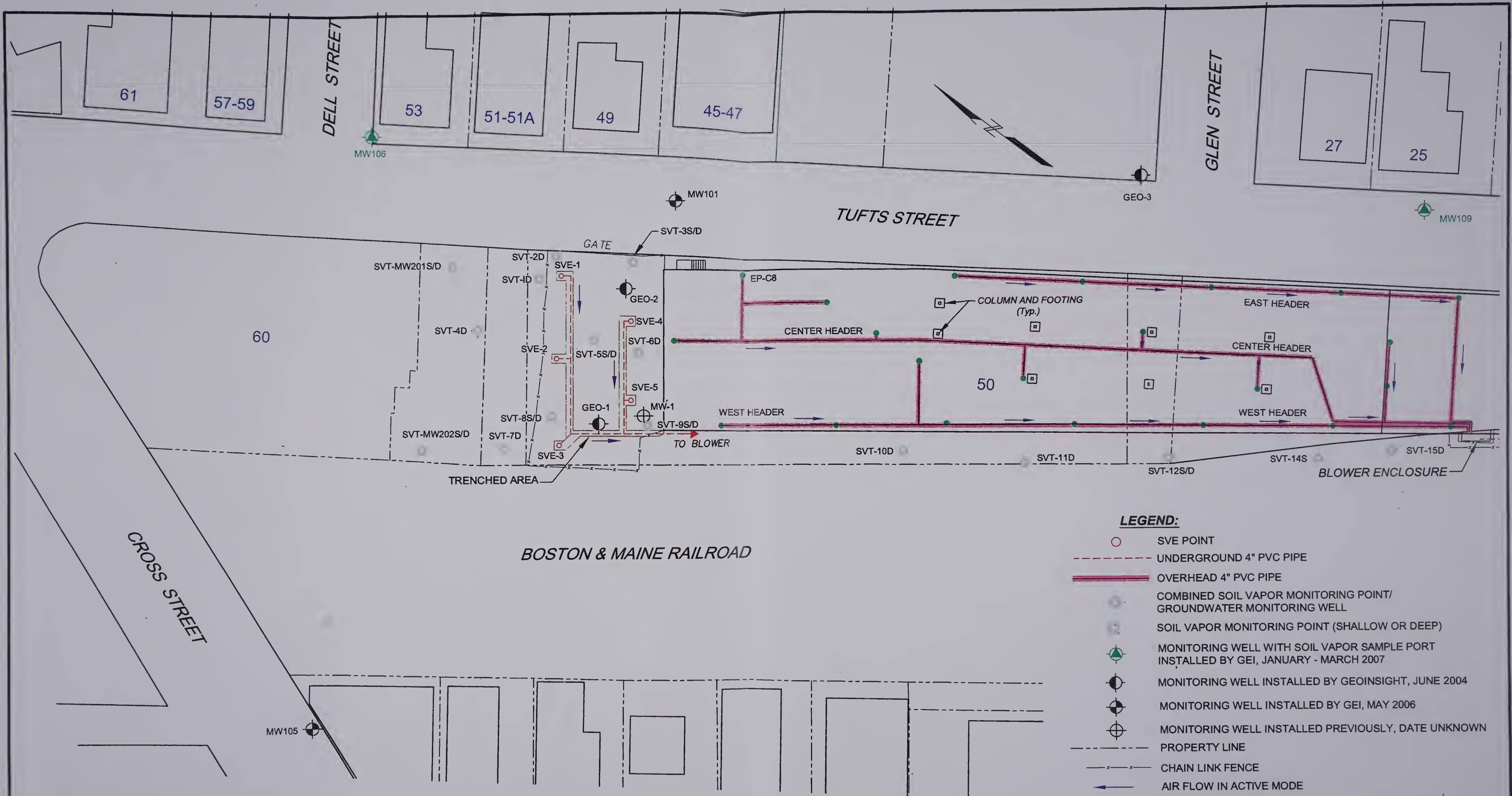
- OVERHEAD 4" PVC PIPE
- AIR FLOW IN ACTIVE MODE
- SUB-SLAB EXTRACTION POINT (4" DIA. SCHEDULE 40 PVC)
- SUB-SLAB MONITORING POINT

NOTES:

1. FIGURE BASED ON PLAN TITLED "INTERSTATE UNIFORM ADDN., TUFTS STREET SOMERVILLE, MASS." BY STRUCTURAL SYSTEMS, INC. DATED 12-2-76.

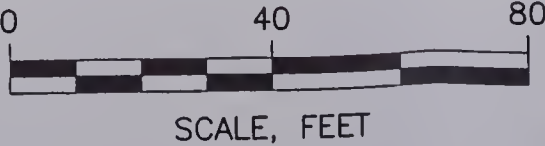


Remedial Monitoring Report No. 6b 50 Tufts Street Building Somerville, Massachusetts UniFirst Corporation Wilmington, Massachusetts	 GEI Consultants	PIPING AND EQUIPMENT LAYOUT FOR SUB-SLAB DEPRESSURIZATION SYSTEM
Project 04516-2	November 2007	Fig. 3

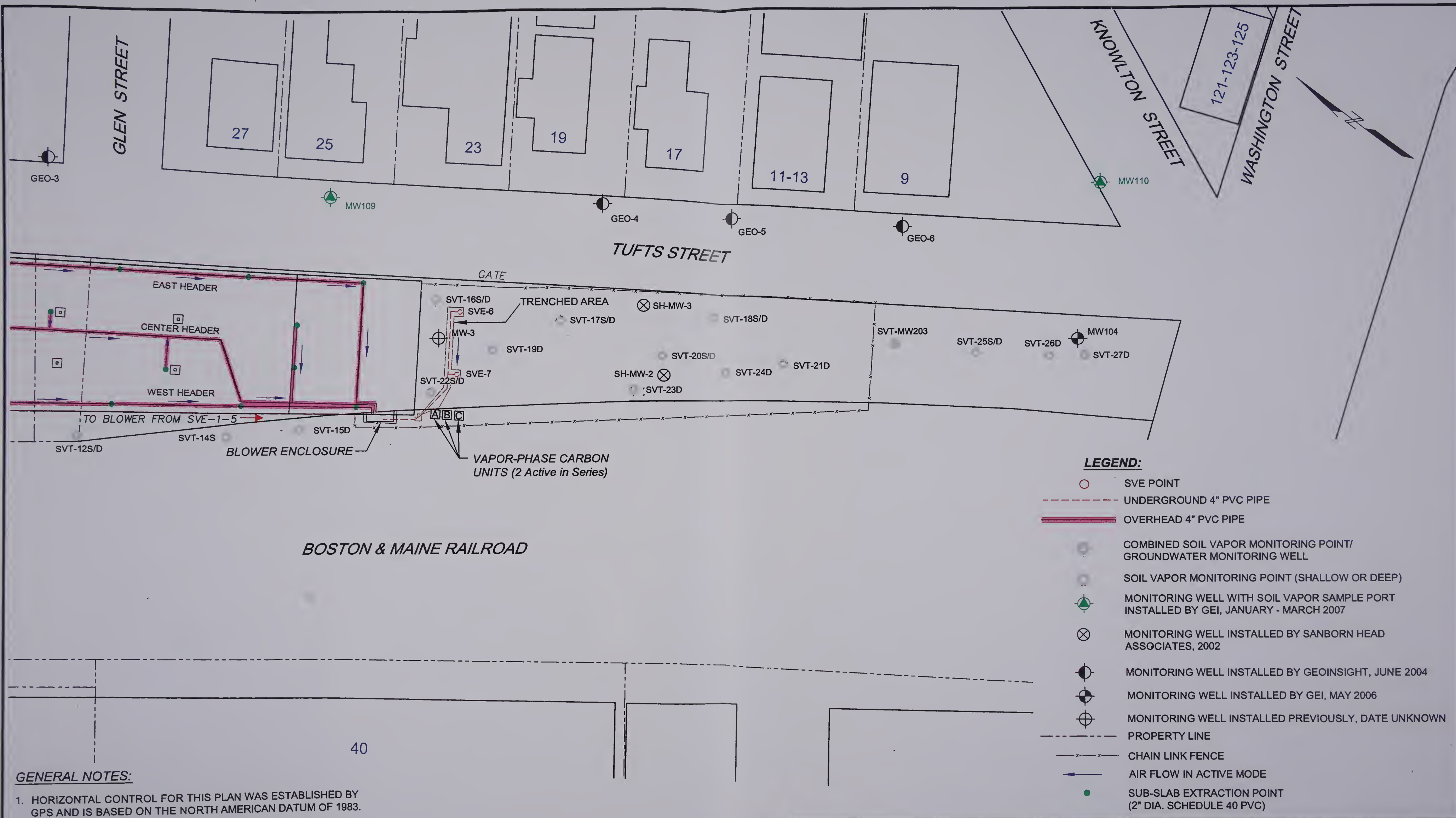


GENERAL NOTES:

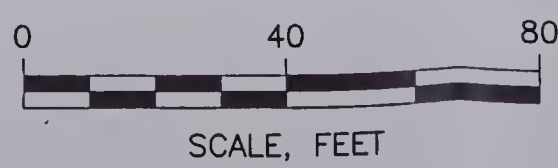
1. HORIZONTAL CONTROL FOR THIS PLAN WAS ESTABLISHED BY GPS AND IS BASED ON THE NORTH AMERICAN DATUM OF 1983.
2. BUILDINGS, STREET, AND PROPERTY LINES BASED ON SOMERVILLE ASSESSORS MAPS AND ARE BEST FIT RELATIVE TO THE LOCATION OF THE 50 TUFTS ST. BUILDING.
3. EXISTING MONITORING WELL LOCATIONS AND ELEVATIONS WERE ESTABLISHED BY AN ON THE GROUND SURVEY BY BSC GROUP, INC. ON MAY 31, 2006 AND MARCH 16-20, 2007.



Remedial Monitoring Report No. 6b 50 Tufts Street Somerville, Massachusetts		SOIL VAPOR MONITORING and EXTRACTION POINTS (Northern Parking Lot and 60 Tufts Street)
UniFirst Corporation Wilmington, Massachusetts	Project 04516-2	November 2007 Fig. 4a



- GENERAL NOTES:**
1. HORIZONTAL CONTROL FOR THIS PLAN WAS ESTABLISHED BY GPS AND IS BASED ON THE NORTH AMERICAN DATUM OF 1983.
 2. BUILDINGS, STREET, AND PROPERTY LINES BASED ON SOMERVILLE ASSESSORS MAPS AND ARE BEST FIT RELATIVE TO THE LOCATION OF THE 50 TUFTS ST. BUILDING.
 3. EXISTING MONITORING WELL LOCATIONS AND ELEVATIONS WERE ESTABLISHED BY AN ON THE GROUND SURVEY BY BSC GROUP, INC. ON MAY 31, 2006 AND MARCH 16-20, 2007.



Remedial Monitoring Report No. 6b 50 Tufts Street Somerville, Massachusetts			SOIL VAPOR MONITORING and EXTRACTION POINTS (Southern Parking Lot)	
UniFirst Corporation Wilmington, Massachusetts			Project 04516-2	November 2007

Fig. 4b



Geotechnical
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ATTACHMENT A

BWSC105, BWSC105A and BWSC105B



Massachusetts Department of Environmental Protection

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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL
FORM Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

3

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23246

A. RELEASE OR THREAT OF RELEASE LOCATION:

1. Release Name/Location Aid: **50 TUFTS ST & PROP ACROSS THE ST**
2. Street Address: **50 TUFTS ST**
3. City/Town: **SOMERVILLE** 4. ZIP Code: **02145-4129**
5. UTM Coordinates: a. UTM N: **4694322** b. UTM E: **328049**
- ☒ 6. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.
☐ a. Tier IA ☐ b. Tier IB ☒ c. Tier IC ☐ d. Tier II
- ☐ 7. Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114. Specify Program (check one):
☐ a. CERCLA ☐ b. HSWA Corrective Action ☐ c. Solid Waste Management
☐ d. RCRA State Program (21C Facilities)

B. THIS FORM IS BEING USED TO: (check all that apply)

1. List Submittal Date of Initial IRA Written Plan (if previously submitted): **1/9/2006**
(mm/dd/yyyy)
- ☐ 2. Submit an **Initial IRA Plan**.
- ☐ 3. Submit a **Modified IRA Plan** of a previously submitted written IRA Plan.
- ☐ 4. Submit an **Imminent Hazard Evaluation**. (check one)
☐ a. An Imminent Hazard exists in connection with this Release or Threat of Release.
☐ b. An Imminent Hazard does not exist in connection with this Release or Threat of Release.
☐ c. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.
☐ d. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.
- ☐ 5. Submit a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard**.
- ☐ 6. Submit an **IRA Status Report**.
- ☒ 7. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)
a. Type of Report: (check one) ☒ i. Initial Report ☐ ii. Interim Report ☐ iii. Final Report
b. Frequency of Submittal: (check all that apply)
☒ i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
☒ ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
☐ iii. A Remedial Monitoring Report(s) submitted concurrent with a IRA Status Report.
c. Number of Remedial Systems and/or Monitoring Programs: **2**
- A separate BWSC105A, IRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.



Massachusetts Department of Environmental Protection
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B. THIS FORM IS BEING USED TO (cont.): (check all that apply)

☐ 8. Submit an **IRA Completion Statement**.

☐ a. Check here if future response actions addressing this Release or Threat of Release notification condition will be conducted as part of the Response Actions planned or ongoing at a Site that has already been Tier Classified under a different Release Tracking Number (RTN) . When linking RTNs, rescoring via the NRS is required if there is a reasonable likelihood that the addition of the new RTN(s) would change the classification of the site.

b. Provide Release Tracking Number of Tier Classified Site (Primary RTN):

-

These additional response actions must occur according to the deadlines applicable to the Primary RTN. Use the Primary RTN when making all future submittals for the site unless specifically relating to this Immediate Response Action.

☐ 9. Submit a **Revised IRA Completion Statement**.

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:

1. Identify Media Impacted and Receptors Affected: (check all that apply)

- ☒ a. Air ☒ b. Basement ☒ c. Critical Exposure Pathway ☒ d. Groundwater ☒ e. Residence
☐ f. Paved Surface ☐ g. Private Well ☐ h. Public Water Supply ☒ i. School ☐ j. Sediments
☐ k. Soil ☐ l. Storm Drain ☐ m. Surface Water ☐ n. Unknown ☐ o. Wetland ☐ p. Zone 2
☐ q. Others Specify: _____

2. Identify Oils and Hazardous Materials Released: (check all that apply)

- ☐ a. Oils ☒ b. Chlorinated Solvents ☐ c. Heavy Metals
☐ d. Others Specify: _____

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amounts)

- | | |
|--|---|
| ☐ 1. Assessment and/or Monitoring Only | ☐ 2. Temporary Covers or Caps |
| ☐ 3. Deployment of Absorbent or Containment Materials | ☐ 4. Temporary Water Supplies |
| ☐ 5. Structure Venting System | ☐ 6. Temporary Evacuation or Relocation of Residents |
| ☐ 7. Product or NAPL Recovery | ☐ 8. Fencing and Sign Posting |
| ☐ 9. Groundwater Treatment Systems | ☒ 10. Soil Vapor Extraction |
| ☐ 11. Bioremediation | ☐ 12. Air Sparging |



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D. DESCRIPTION OF RESPONSE ACTIONS (cont.): (check all that apply, for volumes list cumulative amounts)

☒ 13. Excavation of Contaminated Soils

☒ a. Re-use, Recycling or Treatment

☐ i. On Site Estimated volume in cubic yards

☒ ii. Off Site Estimated volume in cubic yards **61**

ii.a. Receiving Facility: **STABLEX; QUEBEC CANADA** Town: **BOSTON** State: **MA**

ii.b. Receiving Facility: Town: State:

iii. Describe:

☐ b. Store

☐ i. On Site Estimated volume in cubic yards

☐ ii. Off Site Estimated volume in cubic yards

ii.a. Receiving Facility: Town: State:

ii.b. Receiving Facility: Town: State:

☐ c. Landfill

☐ i. Cover Estimated volume in cubic yards

Receiving Facility: Town: State:

☐ ii. Disposal Estimated volume in cubic yards

Receiving Facility: Town: State:

☐ 14. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount:

b. Receiving Facility: Town: State:

c. Receiving Facility: Town: State:

☒ 15. Removal of Other Contaminated Media:

a. Specify Type and Volume: **SPENT GRANULAR ACTIVATED CARBON**
8,000 LBS

b. Receiving Facility: **RINECO** Town: **BENTON** State: **AR**

c. Receiving Facility: Town: State:

☒ 16. Other Response Actions:

Describe:

TEMPORARY AIR PURIFIERS AND/OR SUB-SLAB DEPRESSURIZATION SYSTEMS

☐ 17. Use of Innovative Technologies:

Describe:



Massachusetts Department of Environmental Protection
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**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

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23246

E. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that an **Immediate Response Action Plan** is being submitted, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation comply(ies) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> if Section B of this form indicates that an **Immediate Response Action Status Report** and/or a **Remedial Monitoring Report** is(are) being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard** is being submitted, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #:

9719

2. First Name:

ILEEN S

3. Last Name:

GLADSTONE

4. Telephone:

7817214012

5. Ext.:

6. FAX:

7. Signature:

ILEEN S GLADSTONE

8. Date:

11/09/2007

(mm/dd/yyyy)

9. LSP Stamp:





Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL
FORM Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

3 - 23246

F. PERSON UNDERTAKING IRA:

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions
2. Name of Organization: **UNIFIRST CORP**
3. Contact First Name: **JOHN R** 4. Last Name: **BADEY**
5. Street: **68 JONSPIN RD** 6. Title:
7. City/Town: **WILMINGTON** 8. State: **MA** 9. ZIP Code: **01887-0000**
10. Telephone: **8003477888** 11. Ext.: 12. FAX:

G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA:

- ☒ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter
- ☒ e. Other RP or PRP Specify: **OTHER PRPS**
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Undertaking IRA Specify Relationship:

H. REQUIRED ATTACHMENT AND SUBMITTALS:

- ☐ 1. Check here if any Remediation Waste, generated as a result of this IRA, will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement. If this box is checked, you must submit one of the following plans, along with the appropriate transmittal form.
- ☐ a. A Release Abatement Measure (RAM) Plan (BWSC106) ☐ b. Phase IV Remedy Implementation Plan (BWSC108)
- ☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- ☒ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health were notified of the implementation of an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
- ☐ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health were notified of the submittal of a Completion Statement for an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
- ☐ 5. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to the DEP Regional Office.
- ☒ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL
FORM**

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

3

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23246

I. CERTIFICATION OF PERSON UNDERTAKING IRA:

1. I, **JOHN R. BADEY**, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: **JOHN R. BADEY**
Signature

3. Title:

4. For: **UNIFIRST CORP**
(Name of person or entity recorded in Section F)

5. Date: **11/08/2007**
(mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. FAX: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

Received by DEP on

11/9/2007 9:18:37 AM



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105 A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number

3

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23246

Remedial System or Monitoring Program: 1 of: 2

A. DESCRIPTION OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM:

1. Type of Active Remedial System or Active Remedial Monitoring Program: (check all that apply)

- ☒ a. Active Remedial System: (check all that apply)
- | | | |
|---|---|--|
| ☐ i. NAPL Recovery | ☐ ii. Soil Vapor Extraction/Bioventing | ☒ iii. Vapor-phase Carbon Adsorption |
| ☐ iv. Groundwater Recovery | ☐ v. Dual/Multi-phase Extraction | ☐ vi. Aqueous-phase Carbon Adsorption |
| ☐ vii. Air Stripping | ☐ viii. Sparging/Biosparging | ☐ ix. Cat/Thermal Oxidation |
- ☒ x. Other Describe: **SUB-SLAB DEPRESSURIZATION SYSTEM**
- ☐ b. Application of Remedial Additives: (check all that apply)
- | | | |
|---|---|--|
| ☐ i. To the Subsurface | ☐ ii. To Groundwater (Injection) | ☐ iii. To the Surface |
|---|---|--|
- ☐ c. Active Remedial Monitoring Program Without the Application of Remedial Additives: (check all that apply; Sections C, D and E are not required; attach supporting information, data, maps and/or sketches needed by checking Section F5)
- | | | |
|---|--|---|
| ☐ i. Reactive Wall | ☐ ii. Natural Attenuation | ☐ iii. Other Describe: _____ |
|---|--|---|

2. Mode of Operation: (check one)

- ☒ a. Continuous ☐ b. Intermittent ☐ c. Pulsed ☐ d. One-time Event Only ☐ e. Other: _____

3. System Effluent/Discharge: (check all that apply)

- ☐ a. Sanitary Sewer/POTW
- ☐ b. Groundwater Re-infiltration/Re-injection: (check one) ☐ i. Downgradient ☐ ii. Upgradient
- ☒ c. Vapor-phase Discharge to Ambient Air: (check one) ☒ i. Off-gas Controls ☐ ii. No Off-gas Controls
- ☐ d. Drinking Water Supply
- ☐ e. Surface Water (including Storm Drains)
- ☐ f. Other Describe: _____

B. MONITORING FREQUENCY:

1. Reporting period that is the subject of this submittal: From: **4/30/2007** To: **9/30/2007**
(mm/dd/yyyy) (mm/dd/yyyy)

2. Number of monitoring events during the reporting period: (check one)

- ☒ a. System Startup: (if applicable)
- ☒ i. Days 1, 3, 6, and then weekly thereafter, for the first month.
- ☐ ii. Other Describe: _____
- ☐ b. Post-system Startup (after first month) or Monitoring Program:
- ☐ i. Monthly
- ☐ ii. Quarterly
- ☐ iii. Other Describe: _____

☒ 3. Check here to certify that the number of required monitoring events were conducted during the reporting period.

C. EFFLUENT/DISCHARGE REGULATION: (check one to indicate how the effluent/discharge limits were established)

- ☐ 1. NPDES: (check one) ☐ a. Remediation General Permit ☐ b. Individual Permit ☐ c. Emergency Exclusion
Effective Date of Permit: _____
(mm/dd/yyyy)
- ☒ 2. MCP Performance Standard MCP Citations(s): **WSC-94-150**
- ☐ 3. DEP Approval Letter Date of Letter: _____
(mm/dd/yyyy)
- ☐ 4. Other Describe: _____



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105 A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number

3

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23246

Remedial System or Monitoring Program: 1 of: 2

D. WASTEWATER TREATMENT PLANT OPERATOR: (check one)

☐ 1. Required due to Remedial Wastewater Treatment Plant in place for more than 30 days.

a. Name:

b. Grade:

c. License No.:

d. License Exp. Date:

(mm/dd/yyyy)

☐ 2. Not Required

☒ 3. Not Applicable

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD:

(check all that apply)

☒ 1. The Active Remedial System was functional one or more days during the Reporting Period.

a. Days System was Fully Functional:

30

b. GW Recovered (gals):

c. NAPL Recovered (gals):

d. GW Discharged (gals):

e. Avg. Soil Gas Recovery Rate (scfm):

345

f. Avg. Sparging Rate (scfm):

☐ 2. Remedial Additives: (check all that apply)

☐ a. No Remedial Additives applied during the Reporting Period.

☐ b. Enhanced Bioremediation Additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Nitrogen/Phosphorus:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Microorganisms:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

☐ c. Chemical oxidation/reduction additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Permanganates:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Persulfates:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units



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Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number

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Remedial System or Monitoring Program: 1 of: 2

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (cont.)
(check all that apply)

- ☐ d. Other additives applied: (total quantity applied at the site for the current reporting period)

Name of Additive	Date	Quantity	Units

Name of Additive	Date	Quantity	Units

- ☐ e. Check here if any additional Remedial Additives were applied. Attach list of additional additives and include Name of Additive, Date Applied, Quantity Applied and Units (in gals. or lbs.)

F. SHUTDOWNS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM: (check all that apply)

- ☐ 1. The Active Remedial System had unscheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Unscheduled Shutdowns: b. Total Number of Days of Unscheduled Shutdowns:

c. Reason(s) for Unscheduled Shutdowns:

- ☐ 2. The Active Remedial System had scheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Scheduled Shutdowns: b. Total Number of Days of Scheduled Shutdowns:

c. Reason(s) for Scheduled Shutdowns:

- ☐ 3. The Active Remedial System or Active Remedial Monitoring Program was permanently shutdown/discontinued during the Reporting Period.

a. Date of Final System or Monitoring Program Shutdown: (mm/dd/yyyy)

- ☐ b. No Further Effluent Discharges.

- ☐ c. No Further Application of Remedial Additives planned; sufficient monitoring completed to demonstrate compliance with 310 CMR 40.0046.

- ☐ d. No Further Submittals Planned.

- ☐ e. Other: Describe:

G. SUMMARY STATEMENTS: (check all that apply for the current reporting period)

- ☒ 1. All Active Remedial System checks and effluent analyses required by the approved plan and/or permit were performed when applicable.

- ☒ 2. There were no significant problems or prolonged (>25% of reporting period) unscheduled shutdowns of the Active Remedial System.

- ☒ 3. The Active Remedial System or Active Remedial Monitoring Program operated in conformance with the MCP, and all applicable approval conditions and/or permits.

4. Indicate any Operational Problems or Notes:

- ☒ 5. Check here if additional/supporting Information, data, maps, and/or sketches are attached to the form.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

IRA REMEDIAL MONITORING REPORT
EFFLUENT/DISCHARGE CONCENTRATIONS

Pursuant to 310 CMR 40.0400 (SUBPART D)

Remedial System or Monitoring Program:

1 of 2

BWSC105B

Release Tracking Number

3 - 23246

For each Point of Measurement, indicate the highest concentration detected during the reporting period, of each oil, hazardous material and/or remedial additive.

Point of Measurement	Date (mm/dd/yyyy)	Contaminant, Measurement and/or Indicator Parameter	Influent Concentration (where applicable)	Midpoint Concentration (where applicable)	(check one) ☒ Discharge ☐ Groundwater Concentration	Check here, if ND/BDL	Permissible Concentration	Units	Within Permissible Limits? (Y/N)
SSDS	04/30/2007	TOTAL VOCS	70.000		☒	☒	3.500	ppm	Yes
SSDS	05/01/2007	TOTAL VOCS	251.000		☒	☒	12.600	ppm	Yes
SSDS	05/03/2007	TOTAL VOCS	229.000		☒	☒	11.500	ppm	Yes
SSDS	05/04/2007	TOTAL VOCS	192.000		☒	☒	9.600	ppm	Yes
SSDS	05/05/2007	TOTAL VOCS	169.000		☒	☒	8.500	ppm	Yes
SSDS	05/07/2007	TOTAL VOCS	201.000		☒	☒	10.100	ppm	Yes
SSDS	05/10/2007	TOTAL VOCS	205.000		☒	☒	10.300	ppm	Yes
SSDS	05/18/2007	TOTAL VOCS	153.000		☒	☒	7.700	ppm	Yes
SSDS	05/25/2007	TOTAL VOCS	126.700		☒	☒	6.300	ppm	Yes
SSDS	06/01/2007	TOTAL VOCS	170.400		☒	☒	8.500	ppm	Yes
SSDS	06/03/2007	TOTAL VOCS	139.000		☒	☒	7.000	ppm	Yes
SSDS	06/08/2007	TOTAL VOCS	98.600		☒	☒	4.900	ppm	Yes
SSDS	06/12/2007	TOTAL VOCS	92.300		☒	☒	4.600	ppm	Yes
SSDS	06/19/2007	TOTAL VOCS	100.500		☒	☒	5.000	ppm	Yes
SSDS	06/26/2007	TOTAL VOCS	27.600		☒	☒	1.400	ppm	Yes
SSDS	07/03/2007	TOTAL VOCS	138.000		☒	☒	6.900	ppm	Yes
SSDS	07/10/2007	TOTAL VOCS	31.200		☒	☒	1.600	ppm	Yes
SSDS	07/17/2007	TOTAL VOCS	82.200		☒	☒	4.100	ppm	Yes
SSDS	07/24/2007	TOTAL VOCS	127.500		☒	☒	6.400	ppm	Yes
SSDS	07/31/2007	TOTAL VOCS	89.700		☒	☒	4.500	ppm	Yes

☒ Check here if an additional BWSC105B, Effluent/Discharge Concentrations Form, is needed.



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BWSC105B

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IRA REMEDIAL MONITORING REPORT
EFFLUENT/DISCHARGE CONCENTRATIONS

Pursuant to 310 CMR 40.0400 (SUBPART D)

Remedial System or Monitoring Program: 1 of 2

For each Point of Measurement, indicate the highest concentration detected during the reporting period, of each oil, hazardous material and/or remedial additive.

Point of Measurement	Date (mm/dd/yyyy)	Contaminant, Measurement and/or Indicator Parameter	Influent Concentration (where applicable)	Midpoint Concentration (where applicable)	(check one) ☒ Discharge ☐ Groundwater Concentration	Check here, if ND/BDL	Permissible Concentration	Units	Within Permissible Limits? (Y/N)
SSDS	08/07/2007	TOTAL VOCS	100.700			☒	5.000	ppm	Yes
SSDS	08/19/2007	TOTAL VOCS	114.000			☒	5.700	ppm	Yes
SSDS	08/20/2007	TOTAL VOCS	119.000			☒	6.000	ppm	Yes
SSDS	08/21/2007	TOTAL VOCS	104.000			☒	5.200	ppm	Yes
SSDS	08/22/2007	TOTAL VOCS	234.000			☒	11.700	ppm	Yes
SSDS	08/23/2007	TOTAL VOCS	208.000			☒	10.400	ppm	Yes
SSDS	08/28/2007	TOTAL VOCS	158.000			☒	7.900	ppm	Yes
SSDS	09/04/2007	TOTAL VOCS	209.000			☒	10.500	ppm	Yes
SSDS	09/11/2007	TOTAL VOCS	175.900			☒	8.800	ppm	Yes
SSDS	09/18/2007	TOTAL VOCS	178.000			☒	8.900	ppm	Yes
SSDS	09/25/2007	TOTAL VOCS	136.000			☒	6.800	ppm	Yes
						☐			
						☐			
SSDS	05/01/2007	TOTAL VOCS	68.000		0.500	☐	3.400	ppmv	Yes
SSDS	06/12/2007	TOTAL VOCS	54.800		1.800	☐	2.700	ppmv	Yes
						☐			
						☐			
						☐			
						☐			
						☐			

☐ Check here if an additional BWSC105B, Effluent/Discharge Concentrations Form, is needed.



IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number

3 - 23246

Remedial System or Monitoring Program: 2 of: 2

A. DESCRIPTION OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM:

1. Type of Active Remedial System or Active Remedial Monitoring Program: (check all that apply)

- ☒ a. Active Remedial System: (check all that apply)
- | | | |
|---|--|--|
| ☐ i. NAPL Recovery | ☒ ii. Soil Vapor Extraction/Bioventing | ☒ iii. Vapor-phase Carbon Adsorption |
| ☐ iv. Groundwater Recovery | ☐ v. Dual/Multi-phase Extraction | ☐ vi. Aqueous-phase Carbon Adsorption |
| ☐ vii. Air Stripping | ☐ viii. Sparging/Biosparging | ☐ ix. Cat/Thermal Oxidation |
| ☐ x. Other Describe: _____ | | |
- ☐ b. Application of Remedial Additives: (check all that apply)
- | | | |
|---|---|--|
| ☐ i. To the Subsurface | ☐ ii. To Groundwater (Injection) | ☐ iii. To the Surface |
|---|---|--|
- ☐ c. Active Remedial Monitoring Program Without the Application of Remedial Additives: (check all that apply; Sections C, D and E are not required; attach supporting information, data, maps and/or sketches needed by checking Section F5)
- | | | |
|---|--|---|
| ☐ i. Reactive Wall | ☐ ii. Natural Attenuation | ☐ iii. Other Describe: _____ |
|---|--|---|

2. Mode of Operation: (check one)

- ☒ a. Continuous ☐ b. Intermittent ☐ c. Pulsed ☐ d. One-time Event Only ☐ e. Other: _____

3. System Effluent/Discharge: (check all that apply)

- ☐ a. Sanitary Sewer/POTW
- ☐ b. Groundwater Re-infiltration/Re-injection: (check one) ☐ i. Downgradient ☐ ii. Upgradient
- ☒ c. Vapor-phase Discharge to Ambient Air: (check one) ☒ i. Off-gas Controls ☐ ii. No Off-gas Controls
- ☐ d. Drinking Water Supply
- ☐ e. Surface Water (including Storm Drains)
- ☐ f. Other Describe: _____

B. MONITORING FREQUENCY:

1. Reporting period that is the subject of this submittal: From: 8/22/2007 To: 9/30/2007
(mm/dd/yyyy) (mm/dd/yyyy)

2. Number of monitoring events during the reporting period: (check one)

- ☒ a. System Startup: (if applicable)
- ☒ i. Days 1, 3, 6, and then weekly thereafter, for the first month.
- ☐ ii. Other Describe: _____
- ☐ b. Post-system Startup (after first month) or Monitoring Program:
- ☐ i. Monthly
- ☐ ii. Quarterly
- ☐ iii. Other Describe: _____

☐ 3. Check here to certify that the number of required monitoring events were conducted during the reporting period.

C. EFFLUENT/DISCHARGE REGULATION: (check one to indicate how the effluent/discharge limits were established)

- ☐ 1. NPDES: (check one) ☐ a. Remediation General Permit ☐ b. Individual Permit ☐ c. Emergency Exclusion Effective Date of Permit: _____
(mm/dd/yyyy)
- ☒ 2. MCP Performance Standard MCP Citations(s): WSC-94-150
- ☐ 3. DEP Approval Letter Date of Letter: _____
(mm/dd/yyyy)
- ☐ 4. Other Describe: _____



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number

3

-

23246

Remedial System or Monitoring Program: 2 of: 2

D. WASTEWATER TREATMENT PLANT OPERATOR: (check one)

- ☐ 1. Required due to Remedial Wastewater Treatment Plant in place for more than 30 days.
a. Name: b. Grade:
c. License No.: d. License Exp. Date:
(mm/dd/yyyy)
- ☐ 2. Not Required
- ☒ 3. Not Applicable

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD:
(check all that apply)

- ☒ 1. The Active Remedial System was functional one or more days during the Reporting Period.
a. Days System was Fully Functional: 30 b. GW Recovered (gals):
c. NAPL Recovered (gals): d. GW Discharged (gals):
e. Avg. Soil Gas Recovery Rate (scfm): 345 f. Avg. Sparging Rate (scfm):

- ☐ 2. Remedial Additives: (check all that apply)
- ☐ a. No Remedial Additives applied during the Reporting Period.
- ☐ b. Enhanced Bioremediation Additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Nitrogen/Phosphorus:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Microorganisms:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

- ☐ c. Chemical oxidation/reduction additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Permanganates:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

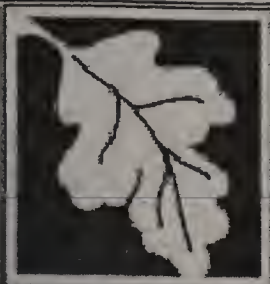
Name of Additive	Date	Quantity	Units

☐ iii. Persulfates:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number

3 - 23246

Remedial System or Monitoring Program: 2 of: 2

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (cont.)
(check all that apply)

☐ d. Other additives applied: (total quantity applied at the site for the current reporting period)

Name of Additive	Date	Quantity	Units

Name of Additive	Date	Quantity	Units

☐ e. Check here if any additional Remedial Additives were applied. Attach list of additional additives and include Name of Additive, Date Applied, Quantity Applied and Units (in gals. or lbs.)

F. SHUTDOWNS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM: (check all that apply)

☐ 1. The Active Remedial System had unscheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Unscheduled Shutdowns: _____ b. Total Number of Days of Unscheduled Shutdowns: _____

c. Reason(s) for Unscheduled Shutdowns: _____

☐ 2. The Active Remedial System had scheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Scheduled Shutdowns: _____ b. Total Number of Days of Scheduled Shutdowns: _____

c. Reason(s) for Scheduled Shutdowns: _____

☐ 3. The Active Remedial System or Active Remedial Monitoring Program was permanently shutdown/discontinued during the Reporting Period.

a. Date of Final System or Monitoring Program Shutdown: _____
(mm/dd/yyyy)

☐ b. No Further Effluent Discharges.

☐ c. No Further Application of Remedial Additives planned; sufficient monitoring completed to demonstrate compliance with 310 CMR 40.0046.

☐ d. No Further Submittals Planned.

☐ e. Other: Describe: _____

G. SUMMARY STATEMENTS: (check all that apply for the current reporting period)

☒ 1. All Active Remedial System checks and effluent analyses required by the approved plan and/or permit were performed when applicable.

☒ 2. There were no significant problems or prolonged (>25% of reporting period) unscheduled shutdowns of the Active Remedial System.

☒ 3. The Active Remedial System or Active Remedial Monitoring Program operated in conformance with the MCP, and all applicable approval conditions and/or permits.

4. Indicate any Operational Problems or Notes:

☒ 5. Check here if additional/supporting Information, data, maps, and/or sketches are attached to the form.



Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

IRA REMEDIAL MONITORING REPORT
EFFLUENT/DISCHARGE CONCENTRATIONS

Pursuant to 310 CMR 40.0400 (SUBPART D)

Remedial System or Monitoring Program: of:

BWSC105B

Release Tracking Number

-

For each Point of Measurement, indicate the highest concentration detected during the reporting period, of each oil, hazardous material and/or remedial additive.

Point of Measurement	Date (mm/dd/yyyy)	Contaminant, Measurement and/or Indicator Parameter	Influent Concentration (where applicable)	Midpoint Concentration (where applicable)	☒ Discharge ☐ Groundwater Concentration	Check here, if ND/BDL	Permissible Concentration	Units	Within Permissible Limits? (Y/N)
SVE	08/20/2007	TOTAL VOCS	119.000			☒	6.000	ppm	Yes
SVE	08/21/2007	TOTAL VOCS	104.000			☒	5.200	ppm	Yes
SVE	08/22/2007	TOTAL VOCS	234.000			☒	11.700	ppm	Yes
SVE	08/23/2007	TOTAL VOCS	208.000			☒	10.400	ppm	Yes
SVE	08/28/2007	TOTAL VOCS	158.000			☒	7.900	ppm	Yes
SVE	09/04/2007	TOTAL VOCS	209.000			☒	10.500	ppm	Yes
SVE	09/11/2007	TOTAL VOCS	175.900			☒	8.800	ppm	Yes
SVE	09/18/2007	TOTAL VOCS	178.000			☒	18.900	ppm	Yes
SVE	09/25/2007	TOTAL VOCS	136.000			☒	6.800	ppm	Yes
						☐			
						☐			
						☐			
						☐			
						☐			
						☐			
						☐			
						☐			
						☐			
						☐			
						☐			
						☐			

☐ Check here if an additional BWSC105B, Effluent/Discharge Concentrations Form, is needed.



Geotechnical
Environmental and
Water Resources
Engineering



ATTACHMENT B

Weekly Mechanical Inspection Logs for 50 Tufts Street

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING	
GEI Field Representative(s):	Larry Welch
Monitoring Start Time:	14:05
Monitoring End Time:	16:21
Date:	4/30/2007
Weather:	

INSTRUMENTATION INFORMATION				
Instrument	Manufacturer	Model	Calibrated To:	Successful Calibration?
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene	Yes
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A	N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.59	NM	0.5	NM
Blower On?	Yes	Center Header	-4.63	NM	1.0	NM
Condensate Accumulated?	No	East Header	-1.96	NM	2.0	NM
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	NM
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	B	Primary Carbon Influent	-7.98	70		
Offline Carbon Unit?	N/A	Primary Carbon Effluent	N/A	N/A		
Offline Carbon Unit Status	N/A	System Discharge	6.3	0		
		Blower Filter Inlet	NM			
		Blower Filter Outlet	NM			

COMMENTS
Ambient air = 0 to 0 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

4/30/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	N/A	N/A
EP-W2	N/A	N/A
EP-W3	N/A	N/A
EP-W4	N/A	N/A
EP-W5	N/A	N/A
EP-W6	N/A	N/A
EP-W7	N/A	N/A
EP-W8	-1.94	NM
EP-C1	N/A	N/A
EP-C2	N/A	N/A
EP-C3	N/A	N/A
EP-C4	N/A	N/A
EP-C5	N/A	N/A
EP-C6	N/A	N/A
EP-C7	N/A	N/A
EP-C8	-3.15	NM
EP-C9	-3.21	NM
EP-E1	N/A	N/A
EP-E2	N/A	N/A
EP-E3	N/A	N/A
EP-E4	N/A	N/A
EP-E5	-1.72	NM
SS3	-0.29	NM
SS4	-0.68	NM
SS20	N/A	N/A
SS21	N/A	N/A
SS22	N/A	N/A
SS23	N/A	N/A
SS24	N/A	N/A
SS25	N/A	N/A
SS26	N/A	N/A
SS27	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

4/30/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	L. Welch	Monitoring Start Time:	15:00
Date:	5/1/2007	Monitoring End Time:	15:20
Weather:			

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	NM	NM	0.5	NM
Blower On?	Yes	Center Header	NM	NM	1.0	NM
Condensate Accumulated?	No	East Header	NM	NM	2.0	NM
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	NM
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	B	Primary Carbon Influent	NM	251		
Offline Carbon Unit?	N/A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	N/A	System Discharge	NM	0		
		Blower Filter Inlet	-40			
		Blower Filter Outlet	-45			

COMMENTS	
Ambient air = 0 to 0 ppm VOCs	
ppm = parts per million	
NM = Not Measured	
N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

5/1/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	N/A	N/A
EP-W2	N/A	N/A
EP-W3	N/A	N/A
EP-W4	N/A	N/A
EP-W5	N/A	N/A
EP-W6	N/A	N/A
EP-W7	N/A	N/A
EP-W8	NM	NM
EP-C1	N/A	N/A
EP-C2	N/A	N/A
EP-C3	N/A	N/A
EP-C4	N/A	N/A
EP-C5	N/A	N/A
EP-C6	N/A	N/A
EP-C7	N/A	N/A
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	N/A	N/A
EP-E2	N/A	N/A
EP-E3	N/A	N/A
EP-E4	N/A	N/A
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	N/A	N/A
SS21	N/A	N/A
SS22	N/A	N/A
SS23	N/A	N/A
SS24	N/A	N/A
SS25	N/A	N/A
SS26	N/A	N/A
SS27	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

5/1/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	L. Welch	Monitoring Start Time:	15:00
		Monitoring End Time:	15:30
Date:	5/3/2007		
Weather:			

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	NM	NM	0.5	N/A
Blower On?	Yes	Center Header	NM	NM	1.0	N/A
Condensate Accumulated?	No	East Header	NM	NM	2.0	N/A
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	N/A
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	N/A
Secondary Carbon Unit?	B	Primary Carbon Influent	NM	229		
Offline Carbon Unit?	N/A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	N/A	System Discharge	NM	0		
		Blower Filter Inlet	NM			
		Blower Filter Outlet	NM			

COMMENTS	
Ambient air =	to ppm VOCs
ppm = parts per million	
NM = Not Measured	
N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St
SSDS Indoor Monitoring Points and Extraction Points
5/3/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	N/A	N/A
EP-W2	N/A	N/A
EP-W3	N/A	N/A
EP-W4	N/A	N/A
EP-W5	N/A	N/A
EP-W6	N/A	N/A
EP-W7	N/A	N/A
EP-W8	NM	NM
EP-C1	N/A	N/A
EP-C2	N/A	N/A
EP-C3	N/A	N/A
EP-C4	N/A	N/A
EP-C5	N/A	N/A
EP-C6	N/A	N/A
EP-C7	N/A	N/A
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	N/A	N/A
EP-E2	N/A	N/A
EP-E3	N/A	N/A
EP-E4	N/A	N/A
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	N/A	N/A
SS21	N/A	N/A
SS22	N/A	N/A
SS23	N/A	N/A
SS24	N/A	N/A
SS25	N/A	N/A
SS26	N/A	N/A
SS27	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

5/3/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	L. Welch	Monitoring Start Time:	16:05
Date:	5/4/2007	Monitoring End Time:	16:50
Weather:			

INSTRUMENTATION INFORMATION				
Instrument	Manufacturer	Model	Calibrated To:	Successful Calibration?
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene	Yes
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A	N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	NM	NM	0.5	N/A
Blower On?	Yes	Center Header	NM	NM	1.0	N/A
Condensate Accumulated?	No	East Header	NM	NM	2.0	N/A
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	N/A
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	N/A
Secondary Carbon Unit?	B	Primary Carbon Influent	NM	192		
Offline Carbon Unit?	N/A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	N/A	System Discharge	NM	0		
		Blower Filter Inlet	-40			
		Blower Filter Outlet	-45			

COMMENTS	
Ambient air =	to ppm VOCs
ppm = parts per million NM = Not Measured N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

5/4/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	N/A	N/A
EP-W2	N/A	N/A
EP-W3	N/A	N/A
EP-W4	N/A	N/A
EP-W5	N/A	N/A
EP-W6	N/A	N/A
EP-W7	N/A	N/A
EP-W8	NM	NM
EP-C1	N/A	N/A
EP-C2	N/A	N/A
EP-C3	N/A	N/A
EP-C4	N/A	N/A
EP-C5	N/A	N/A
EP-C6	N/A	N/A
EP-C7	N/A	N/A
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	N/A	N/A
EP-E2	N/A	N/A
EP-E3	N/A	N/A
EP-E4	N/A	N/A
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	N/A	N/A
SS21	N/A	N/A
SS22	N/A	N/A
SS23	N/A	N/A
SS24	N/A	N/A
SS25	N/A	N/A
SS26	N/A	N/A
SS27	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

5/4/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	L. Welch	Monitoring Start Time:	12:05
		Monitoring End Time:	12:50
Date:	5/5/2007		
Weather:	partly sunny, 60° E		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	NM	NM	0.5	0.9
Blower On?	Yes	Center Header	NM	NM	1.0	1.26
Condensate Accumulated?	No	East Header	NM	NM	2.0	0.58
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	0.91
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	331
Secondary Carbon Unit?	B	Primary Carbon Influent	-0.94	169		
Offline Carbon Unit?	N/A	Primary Carbon Effluent	N/A	N/A		
Offline Carbon Unit Status	N/A	System Discharge	6.41	0.8		
		Blower Filter Inlet	-40			
		Blower Filter Outlet	-45			

COMMENTS	
Ambient air =	0.4 to 0.8 ppm VOCs
ppm = parts per million	
NM = Not Measured	
N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

5/5/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	N/A	N/A
EP-W2	N/A	N/A
EP-W3	N/A	N/A
EP-W4	N/A	N/A
EP-W5	N/A	N/A
EP-W6	N/A	N/A
EP-W7	N/A	N/A
EP-W8	NM	NM
EP-C1	N/A	N/A
EP-C2	N/A	N/A
EP-C3	N/A	N/A
EP-C4	N/A	N/A
EP-C5	N/A	N/A
EP-C6	N/A	N/A
EP-C7	N/A	N/A
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	N/A	N/A
EP-E2	N/A	N/A
EP-E3	N/A	N/A
EP-E4	N/A	N/A
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	N/A	N/A
SS21	N/A	N/A
SS22	N/A	N/A
SS23	N/A	N/A
SS24	N/A	N/A
SS25	N/A	N/A
SS26	N/A	N/A
SS27	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

5/5/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	L. Welch	Monitoring Start Time:	12:10
		Monitoring End Time:	13:10
Date:	5/7/2007		
Weather:	sunny, 60-70 F		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	NM	NM	0.5	NM
Blower On?	Yes	Center Header	NM	NM	1.0	NM
Condensate Accumulated?	No	East Header	NM	NM	2.0	NM
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	NM
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	B	Primary Carbon Influent	NM	201		
Offline Carbon Unit?	N/A	Primary Carbon Effluent	N/A	N/A		
Offline Carbon Unit Status	N/A	System Discharge	NM	0		
		Blower Filter Inlet	NM			
		Blower Filter Outlet	-50			

COMMENTS
Ambient air = 0 to 0 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

5/7/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	N/A	N/A
EP-W2	N/A	N/A
EP-W3	N/A	N/A
EP-W4	N/A	N/A
EP-W5	N/A	N/A
EP-W6	N/A	N/A
EP-W7	N/A	N/A
EP-W8	NM	NM
EP-C1	N/A	N/A
EP-C2	N/A	N/A
EP-C3	N/A	N/A
EP-C4	N/A	N/A
EP-C5	N/A	N/A
EP-C6	N/A	N/A
EP-C7	N/A	N/A
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	N/A	N/A
EP-E2	N/A	N/A
EP-E3	N/A	N/A
EP-E4	N/A	N/A
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	N/A	N/A
SS21	N/A	N/A
SS22	N/A	N/A
SS23	N/A	N/A
SS24	N/A	N/A
SS25	N/A	N/A
SS26	N/A	N/A
SS27	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points
5/7/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	L. Welch	Monitoring Start Time:	17:00
		Monitoring End Time:	17:55
Date:	5/10/2007		
Weather:			

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.42	112	0.5	NM
Blower On?	Yes	Center Header	-4.53	168	1.0	NM
Condensate Accumulated?	No	East Header	-1.94	507	2.0	NM
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	NM
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	B	Primary Carbon Influent	-7.55	205		
Offline Carbon Unit?	N/A	Primary Carbon Effluent	NM	1.0		
Offline Carbon Unit Status	N/A	System Discharge	4.5	1.4		
		Blower Filter Inlet	-40			
		Blower Filter Outlet	-50			

COMMENTS
Ambient air = 1.9 to 1.9 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

5/10/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-4.05	900
EP-W2	-3.35	186.9
EP-W3	-2.74	26.2
EP-W4	-2.06	8.2
EP-W5	-1.71	4.4
EP-W6	-1.79	13.3
EP-W7	-1.76	13.7
EP-W8	-1.8	174
EP-C1	-4.13	67.7
EP-C2	-4.13	440
EP-C3	-3.94	99
EP-C4	-3.73	2.16
EP-C5	-3.55	366
EP-C6	-3.31	10.7
EP-C7	-2.93	57.2
EP-C8	-3.13	69.9
EP-C9	-3.17	162
EP-E1	-1.81	2.42
EP-E2	-1.8	72
EP-E3	-1.68	97.7
EP-E4	-1.71	23.4
EP-E5	-1.71	4.4
SS3	-0.23	409
SS4	-0.58	875
SS20	-0.12	NM
SS21	-0.52	NM
SS22	-0.54	NM
SS23	-0.31	NM
SS24	-0.38	NM
SS25	-0.81	NM
SS26	-0.51	NM
SS27	-0.18	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

5/10/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	13:00
	L. Welch	Monitoring End Time:	14:00
Date:	5/18/2007		
Weather:			

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS					
System Status/Configuration	Pressure/VOC Measurements			System Flow Rate Data	
	Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	-4.48	72.5	0.5	1.01
Blower On?	Yes	-4.59	137.4	1.0	0.66
Condensate Accumulated?	No	-1.92	292	2.0	1.58
Condensate Drained?	No	N/A	N/A	Average Differential Pressure:	1.08
Primary Carbon Unit?	A	N/A	N/A	Estimated System Flowrate (CFM):	349
Secondary Carbon Unit?	B	-8.18	153		
Offline Carbon Unit?	C	< -10	2.1		
Offline Carbon Unit Status	Unused	5.85	2.8		
		NM			
		NM			

COMMENTS
Ambient air = 2.8 to 2.8 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

5/18/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

5/18/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	12:30
		Monitoring End Time:	13:30
Date:	5/25/2007		
Weather:	sunny, 90 F		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.37	53	0.5	0.57
Blower On?	Yes	Center Header	-4.42	230.1	1.0	0.93
Condensate Accumulated?	No	East Header	-1.97	306	2.0	1.4
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	0.97
Primary Carbon Unit?	A	South Header	N/A	N/A	Estimated System Flowrate (CFM):	340
Secondary Carbon Unit?	B	Primary Carbon Influent	-7.57	126.7		
Offline Carbon Unit?	C	Primary Carbon Effluent	< -10	40.3		
Offline Carbon Unit Status	Unused	System Discharge	5.13	0.9		
		Blower Filter Inlet	NM			
		Blower Filter Outlet	NM			

COMMENTS
Ambient air = 0.1 to 0.9 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St
SSDS Indoor Monitoring Points and Extraction Points
5/25/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

5/25/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	14:00
	L. Welch	Monitoring End Time:	16:30
Date:	6/1/2007		
Weather:	sunny, 80's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-3.6	84.9	0.5	0.57
Blower On?	Yes	Center Header	-3.65	180.4	1.0	1.07
Condensate Accumulated?	No	East Header	-1.64	593	2.0	0.84
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	0.83
Primary Carbon Unit?	B	South Header	N/A	N/A	Estimated System Flowrate (CFM):	318
Secondary Carbon Unit?	C	Primary Carbon Influent	-6.23	170.4		
Offline Carbon Unit?	A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	Used	System Discharge	4.14	0		
		Blower Filter Inlet	NM			
		Blower Filter Outlet	NM			

COMMENTS	
Ambient air = 0 to 0.2 ppm VOCs	Primary carbon tank B not yet tapped for sample port
ppm = parts per million	
NM = Not Measured	
N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

6/1/2007

Monitoring Point	Pressure:(in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

6/1/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	14:00
	L. Welch	Monitoring End Time:	16:30
Date:	6/3/2007		
Weather:	sunny, 80's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements		System Flow Rate Data		
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	NM	NM	0.5	NM
Blower On?	Yes	Center Header	NM	NM	1.0	NM
Condensate Accumulated?	No	East Header	NM	NM	2.0	NM
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	NM
Primary Carbon Unit?	B	South Header	N/A	N/A	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	C	Primary Carbon Influent	NM	139		
Offline Carbon Unit?	A	Primary Carbon Effluent	NM	43		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	NM			
		Blower Filter Outlet	NM			

COMMENTS	
Ambient air = 0	to 0.2 ppm VOCs
Primary carbon tank B not yet tapped for sample port	
ppm = parts per million	
NM = Not Measured	
N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

6/3/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

6/3/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	17:00
Date:	6/8/2007	Monitoring End Time:	17:45
Weather:	sunny, 80's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
Fenced Enclosure Secure?	Yes	Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Blower On?	Yes	West Header	-4.85	56.5	0.5	0.55
Condensate Accumulated?	No	Center Header	-4.89	112.9	1.0	0.62
Condensate Drained?	No	East Header	-2.12	219.4	2.0	1.18
Primary Carbon Unit?	A	North Header	N/A	N/A	Average Differential Pressure:	0.78
Secondary Carbon Unit?	B	South Header	N/A	N/A	Estimated System Flowrate (CFM):	310
Offline Carbon Unit?	C	Primary Carbon Influent	-8.57	98.6		
Offline Carbon Unit Status	Used (partially)	Primary Carbon Effluent	18.05	140		
		System Discharge	NM	0		
		Blower Filter Inlet	-21			
		Blower Filter Outlet	-29			

COMMENTS	
Ambient air = 0 to 0.2 ppm VOCs	PID serial No. 580B-28757232
Based on tank A effluent concentrations, tank C was connected as the primary and tank B as the secondary	
ppm = parts per million NM = Not Measured N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

6/8/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

6/8/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	8:30
		Monitoring End Time:	9:20
Date:	6/12/2007		
Weather:	sunny, 60-70 F		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.51	56.4	0.5	0.51
Blower On?	Yes	Center Header	-4.57	116.1	1.0	0.75
Condensate Accumulated?	No	East Header	-1.98	296.0	2.0	1.13
Condensate Drained?		North Header	N/A	N/A	Average Differential Pressure:	0.80
Primary Carbon Unit?	C	South Header	N/A	N/A	Estimated System Flowrate (CFM):	314
Secondary Carbon Unit?	B	Primary Carbon Influent	-7.93	92.3		
Offline Carbon Unit?	A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	Used	System Discharge	NM	0.5		
		Blower Filter Inlet	-20			
		Blower Filter Outlet	-26			

COMMENTS	
Ambient air = 0.3 to 0.5 ppm VOCs	PID serial No. 51163-287.
ppm = parts per million NM = Not Measured N/A = Not Applicable	
All interior points were monitored, and summa can samples of the primary influent and the system discharge were taken.	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

6/12/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-4.207	365
EP-W2	-3.329	102.6
EP-W3	-2.697	11.3
EP-W4	-1.988	4.3
EP-W5	-1.632	1.6
EP-W6	-1.734	1.4
EP-W7	-1.675	4.1
EP-W8	-1.714	47.4
EP-C1	-4.192	17.8
EP-C2	-4.203	157.2
EP-C3	-3.985	80.9
EP-C4	-3.773	1653
EP-C5	-3.565	180.4
EP-C6	-3.287	2.8
EP-C7	-2.768	33.5
EP-C8	-3.082	54.4
EP-C9	-3.151	88.5
EP-E1	-1.856	1179
EP-E2	-1.849	51
EP-E3	-1.738	10.2
EP-E4	-1.768	7
EP-E5	-1.757	2.3
SS3	-0.272	170.9
SS4	-0.773	1.6
SS20	-0.096	2158
SS21	-0.598	471
SS22	-0.572	1010
SS23	-0.345	17.6
SS24	-0.424	1.2
SS25	-0.803	532
SS26	-0.497	3.2
SS27	-0.179	45.2

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

6/12/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	8:00
Date:	6/19/2007	Monitoring End Time:	8:30
Weather:	partly cloudy, 70's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.55	63.7	0.5	0.57
Blower On?	Yes	Center Header	-4.59	127.1	1.0	0.79
Condensate Accumulated?	No	East Header	-1.97	217.4	2.0	1.15
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	0.84
Primary Carbon Unit?	C	South Header	N/A	N/A	Estimated System Flowrate (CFM):	323
Secondary Carbon Unit?	B	Primary Carbon Influent	-8.01	100.5		
Offline Carbon Unit?	A	Primary Carbon Effluent	N/A	NM		
Offline Carbon Unit Status	Used	System Discharge	N/A	0.3		
		Blower Filter Inlet	-21			
		Blower Filter Outlet	-26			

COMMENTS	
Ambient air = 0 to 0.4 ppm VOCs	PID serial No. 580B-28757232
ppm = parts per million NM = Not Measured N/A = Not Applicable	
Tank C effluent was not yet tapped for a sample port	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

6/19/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-4.134	296
EP-W2	-3.323	111.9
EP-W3	-2.641	15.1
EP-W4	-1.937	5.8
EP-W5	-1.568	2
EP-W6	-1.678	1.8
EP-W7	-1.627	4
EP-W8	-1.669	53.4
EP-C1	-4.191	23.2
EP-C2	-4.22	140.7
EP-C3	-3.987	102.4
EP-C4	-3.734	500
EP-C5	-3.55	177.9
EP-C6	-3.272	4.1
EP-C7	-2.767	44.1
EP-C8	-3.071	67.9
EP-C9	-3.127	101.2
EP-E1	-1.841	500
EP-E2	-1.813	53.5
EP-E3	-1.712	12.4
EP-E4	-1.735	9.5
EP-E5	-1.725	2.1
SS3	-0.287	114.3
SS4	-0.776	NM
SS20	-0.103	500
SS21	-0.598	259.7
SS22	-0.573	335
SS23	-0.328	58.9
SS24	-0.425	0.4
SS25	-0.783	257.7
SS26	-0.472	1.9
SS27	-0.178	37.5

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points
6/19/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	8:30
		Monitoring End Time:	13:00
Date:	6/26/2007		
Weather:	sunny, hot, 90's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.81	15.3	0.5	0.42
Blower On?	Yes	Center Header	-4.87	40.3	1.0	0.8
Condensate Accumulated?	No	East Header	-2.02	64.8	2.0	1.41
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	0.88
Primary Carbon Unit?	B	South Header	N/A	N/A	Estimated System Flowrate (CFM):	327
Secondary Carbon Unit?	C	Primary Carbon Influent	-8.44	27.6		
Offline Carbon Unit?	A	Primary Carbon Effluent	10.31	0		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	-21			
		Blower Filter Outlet	-28			

COMMENTS
Ambient air = 0 to 0.2 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points
6/26/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-4.441	157.7
EP-W2	-3.498	30.5
EP-W3	-2.801	3.1
EP-W4	-2.034	0.9
EP-W5	-1.661	0
EP-W6	-1.757	0
EP-W7	-1.713	0.5
EP-W8	-1.749	11.3
EP-C1	-4.453	5.4
EP-C2	-4.547	36.2
EP-C3	-4.238	28.6
EP-C4	-3.994	273
EP-C5	-3.79	60.5
EP-C6	-3.494	0.3
EP-C7	-2.913	12.9
EP-C8	-3.224	14.4
EP-C9	NM	NM
EP-E1	-1.903	111
EP-E2	-1.867	11.7
EP-E3	-1.761	1.8
EP-E4	-1.77	1.2
EP-E5	-1.779	0
SS3	-0.323	27.9
SS4	-0.827	25.5
SS20	-0.115	434
SS21	-0.635	76.5
SS22	-0.626	73.9
SS23	-0.367	12.9
SS24	-0.466	0.2
SS25	-0.821	66.5
SS26	-0.539	0.2
SS27	-0.195	7.9

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

6/26/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	8:30
	S. Slater	Monitoring End Time:	9:00
Date:	7/3/2007		
Weather:	sunny, 70's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.65	73	0.5	0.49
Blower On?	Yes	Center Header	-4.84	157.3	1.0	0.79
Condensate Accumulated?	No	East Header	-1.93	332	2.0	1.19
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	0.82
Primary Carbon Unit?	B	South Header	N/A	N/A	Estimated System Flowrate (CFM):	314
Secondary Carbon Unit?	C	Primary Carbon Influent	-8.45	138		
Offline Carbon Unit?	A	Primary Carbon Effluent	10.4	4.6		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	-21			
		Blower Filter Outlet	-29			

COMMENTS
Ambient air = 0 to 0.3 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

7/3/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

7/3/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	8:15
		Monitoring End Time:	9:00
Date:	7/10/2007		
Weather:	cloudy, 70's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements		System Flow Rate Data		
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.77	16.7	0.5	0.48
Blower On?	Yes	Center Header	-4.87	33.8	1.0	0.71
Condensate Accumulated?	No	East Header	-1.98	66.8	2.0	1.31
Condensate Drained?	No	North Header	N/A	N/A	Average Differential Pressure:	0.83
Primary Carbon Unit?	B	South Header	N/A	N/A	Estimated System Flowrate (CFM):	318
Secondary Carbon Unit?	C	Primary Carbon Influent	-8.51	31.2		
Offline Carbon Unit?	A	Primary Carbon Effluent	10.33	13.7		
Offline Carbon Unit Status	Used	System Discharge	N/A	0		
		Blower Filter Inlet	-21			
		Blower Filter Outlet	-28			

COMMENTS	
Ambient air = 0 to 0 ppm VOCs	PID serial No. 5801-32388-248
ppm = parts per million NM = Not Measured N/A = Not Applicable	CFS, Inc. onsite at 9:30 to change out carbon in tanks A and B. After the change out, tank C was connected as primary and tank B was connected as secondary. The flexible hose running from the blower to the knockout drum was replaced with PVC tubing. There is now 20' of extra hose for later use.

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points
7/10/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

7/10/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION		
GEI Field Representative(s):	T. Daigle	Monitoring Start Time: 8:00
	T. Chase	Monitoring End Time: 8:30
Date:	7/17/2007	
Weather:	partly cloudy, 80's	

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.55	45.1	0.5	0.34
Blower On?	Yes	Center Header	-4.65	101.8	1.0	0.61
Condensate Accumulated?	No	East Header	-1.88	195.6	2.0	1.21
Condensate Drained?	No	North Header	NA	NA	Average Differential Pressure:	0.72
Primary Carbon Unit?	C	South Header	NA	NA	Estimated System Flowrate (CFM):	297
Secondary Carbon Unit?	B	Primary Carbon Influent	-8.13	82.2		
Offline Carbon Unit?	A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	Unused	System Discharge	NM	0.2		
		Blower Filter Inlet	19			
		Blower Filter Outlet	26			

COMMENTS
PID had no serial number in back. Ambient air = 0.2 to 0.7 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

7/17/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points
7/17/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

GENERAL MONITORING INFORMATION		
GEI Field Representative(s):	T. Daigle	Monitoring Start Time: 9:00
		Monitoring End Time: 14:00
Date:	7/24/2007	
Weather:	partly cloudy, 70's	

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.55	87.6	0.5	0.94
Blower On?	Yes	Center Header	-4.58	155.1	1.0	0.99
Condensate Accumulated?	No	East Header	-1.89	266	2.0	0.98
Condensate Drained?	No	North Header	NA	NA	Average Differential Pressure:	0.97
Primary Carbon Unit?	C	South Header	NA	NA	Estimated System Flowrate (CFM):	340
Secondary Carbon Unit?	B	Primary Carbon Influent	-8.21	127.5		
Offline Carbon Unit?	A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	Unused	System Discharge	NM	1.1		
		Blower Filter Inlet	-19			
		Blower Filter Outlet	-21			

COMMENTS
PID rented from PINE. Serial No. = 6489D-346 (scratched up...tough to read). Also completed a full system monitoring round of all indoor extraction points and sub-slab points. Ambient air = 0.0 to 0.1 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

7/24/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-4.142	498
EP-W2	-3.267	145.9
EP-W3	-2.55	107.2
EP-W4	-1.856	10.6
EP-W5	-1.457	3.3
EP-W6	-1.594	3.3
EP-W7	-1.547	5.2
EP-W8	-1.557	55.3
EP-C1	-4.239	213
EP-C2	-4.265	127.5
EP-C3	-4.003	111.7
EP-C4	-3.789	3000
EP-C5	-3.596	188.1
EP-C6	-3.27	5.8
EP-C7	-2.725	59.4
EP-C8	-3.071	65.4
EP-C9	-3.121	119
EP-E1	-1.754	2000
EP-E2	-1.71	62.9
EP-E3	-1.603	67.9
EP-E4	-1.635	11.5
EP-E5	-1.631	3.6
SS3	-0.294	64.2
SS4	-0.835	163
SS20	-0.125	3000
SS21	-0.607	589
SS22	-0.595	1200
SS23	-0.368	61.6
SS24	-0.446	2
SS25	-0.78	265
SS26	-0.475	3
SS27	-0.184	103.5

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

7/24/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION		
GEI Field Representative(s):	T. Daigle	Monitoring Start Time: 8:00
		Monitoring End Time: 8:30
Date:	7/31/2007	
Weather:	cloudy, fog, 80's	

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-5.86	16	0.5	0.81
Blower On?	Yes	Center Header	-6.08	31.9	1.0	0.89
Condensate Accumulated?	No	East Header	-3.75	55.9	2.0	1.12
Condensate Drained?	No	North Header	NA	NA	Average Differential Pressure:	0.94
Primary Carbon Unit?	C	South Header	NA	NA	Estimated System Flowrate (CFM):	331
Secondary Carbon Unit?	B	Primary Carbon Influent	-9.56	29.3		
Offline Carbon Unit?	A	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	Unused	System Discharge	NM	0		
		Blower Filter Inlet	-20			
		Blower Filter Outlet	-27			

COMMENTS

PID rented from PINE Serial No. = 70125-366
Ambient air = 0.0 to 0.0 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable
NOTE: System has been running with EP-W5, W3, C1, C4, C6, E2, and E4 closed, AND SVT-5D and 8S in the north parking lot connected to EP-C8 since 7-26-07. The indoor extraction points were closed during the SVE diagnostic test while -4" of vacuum was applied to SVT-5D and 8S over the weekend. GEI ended the diagnostic test immediately after the system monitoring by disconnecting SVT-5D and 8S and re-opening all indoor extraction points. Header pressures and VOC's were re-measured to ensure that the system was again operating at the original specifications that existed before the SVE diagnostic test. This was confirmed where: West header = -4.70"; Center header = -4.93"; East header = -1.85";

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

7/31/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

7/31/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

GENERAL MONITORING INFORMATION

GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	9:00
		Monitoring End Time:	9:30
Date:	8/7/2007		
Weather:	cloudy, humid, 80's		

INSTRUMENTATION INFORMATION

Instrument	Manufacturer	Model	Calibrated To:	Successful Calibration?
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene	Yes
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A	N/A

FIELD MEASUREMENTS / OBSERVATIONS

System Status/Configuration	Pressure/VOC Measurements			System Flow Rate Data	
	Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes				
Blower On?	Yes	-4.65	50.3	0.5	0.83
Condensate Accumulated?	No	-4.83	136.2	1.0	0.93
Condensate Drained?	No	-1.78	222.2	2.0	1.25
Primary Carbon Unit?	C	NA	NA	Average Differential Pressure:	1.00
Secondary Carbon Unit?	B	NA	NA	Estimated System Flowrate (CFM):	349
Offline Carbon Unit?	A	-8.39	100.7		
Offline Carbon Unit Status	Unused	NM	NM		
		NM	0		
		-19			
		-27			

COMMENTS

PID rented from PINE. Serial No. = 70125-366
Ambient air = 0.0 to 2.9 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable

After monitoring, carbon tank C was disconnected and the effluent read 68.1 ppm indicating breakthrough. Carbon Tank B was then connected as the primary with tank A connected as secondary.

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points
8/7/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

8/7/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION		
GEI Field Representative(s):	L. Welch	Monitoring Start Time: 7:20
		Monitoring End Time: 7:50
Date:	8/19/2007	
Weather:	clear, 60's	

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.3	61.1	0.5	NM
Blower On?	Yes	Center Header	-4.5	157	1.0	NM
Condensate Accumulated?	No	East Header	-1.4	239.6	2.0	NM
Condensate Drained?	No	North Header	NA	NA	Average Differential Pressure:	NM
Primary Carbon Unit?	B	South Header	NA	NA	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	A	Primary Carbon Influent	-8.2	114		
Offline Carbon Unit?	C	Primary Carbon Effluent	9.5	18.1		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	-20			
		Blower Filter Outlet	-30			

COMMENTS
Ambient air = 0 to 0 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

8/19/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	NM	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	NM	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	NM	NM
SS26	NM	NM
SS27	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

8/19/2007

Monitoring Point	Pressure (in..wc)	VOC (ppm)
SVE-1	N/A	N/A
SVE-2	N/A	N/A
SVE-3	N/A	N/A
SVE-4	N/A	N/A
SVE-5	N/A	N/A
SVE-6	N/A	N/A
SVE-7	N/A	N/A
SVT-MW201D	N/A	N/A
SVT-MW201S	N/A	N/A
SVT-MW202D	N/A	N/A
SVT-MW202S	N/A	N/A
SVT-1D	N/A	N/A
SVT-2D	N/A	N/A
SVT-3D	N/A	N/A
SVT-3S	N/A	N/A
SVT-4D	N/A	N/A
SVT-5D	N/A	N/A
SVT-5S	N/A	N/A
SVT-6D	N/A	N/A
SVT-7D	N/A	N/A
SVT-8D	N/A	N/A
SVT-8S	N/A	N/A
SVT-9D	N/A	N/A
SVT-9S	N/A	N/A
SVT-10D	N/A	N/A
SVT-11S	N/A	N/A
SVT-12D	N/A	N/A
SVT-12S	N/A	N/A
SVT-14S	N/A	N/A
SVT-15D	N/A	N/A
SVT-16D	N/A	N/A
SVT-16S	N/A	N/A
SVT-17D	N/A	N/A
SVT-17S	N/A	N/A
SVT-18D	N/A	N/A
SVT-19D	N/A	N/A
SVT-20D	N/A	N/A
SVT-20S	N/A	N/A
SVT-21D	N/A	N/A
SVT-22D	N/A	N/A
SVT-22S	N/A	N/A
SVT-23D	N/A	N/A
SVT-24D	N/A	N/A
SVT-25D	N/A	N/A
SVT-25S	N/A	N/A
SVT-26D	N/A	N/A
SVT-27D	N/A	N/A

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	8:00
		Monitoring End Time:	8:45
Date:	8/20/2007		
Weather:	partly cloudy, 80's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.83	56	0.5	1.22
Blower On?	Yes	Center Header	-4.58	131	1.0	1.22
Condensate Accumulated?	No	East Header	-1.87	218	2.0	1.23
Condensate Drained?	No	North Header	NM	NM	Average Differential Pressure:	1.22
Primary Carbon Unit?	B	South Header	-4.94	684	Estimated System Flowrate (CFM):	384
Secondary Carbon Unit?	A	Primary Carbon Influent	-6.25	119		
Offline Carbon Unit?	C	Primary Carbon Effluent	NM	21.9		
Offline Carbon Unit Status	Used	System Discharge	NM	0.0		
		Blower Filter Inlet	-20			
		Blower Filter Outlet	-30			

COMMENTS
PID rented from PINE. Serial No. = 70125-366 Ambient air = 0.00 to 0.2 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

8/20/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	-1.553	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	-2.954	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	-1.583	-
SS3	NM	NM
SS4	NM	NM
SS20	-0.098	NM
SS21	-0.585	NM
SS22	-0.549	NM
SS23	-0.339	NM
SS24	-0.443	NM
SS25	-0.738	NM
SS26	-0.447	NM
SS27	-0.169	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

8/20/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	NM	NM
SVE-2	NM	NM
SVE-3	NM	NM
SVE-4	NM	NM
SVE-5	NM	NM
SVE-6	-4.98	197
SVE-7	-4.98	577
SVT-MW/201D	NM	NM
SVT-MW/201S	NM	NM
SVT-MW/202D	NM	NM
SVT-MW/202S	NM	NM
SVT-1D	NM	NM
SVT-2D	NM	NM
SVT-3D	NM	NM
SVT-3S	NM	NM
SVT-4D	NM	NM
SVT-5D	NM	NM
SVT-5S	NM	NM
SVT-6D	NM	NM
SVT-7D	NM	NM
SVT-8D	NM	NM
SVT-8S	NM	NM
SVT-9D	NM	NM
SVT-9S	NM	NM
SVT-10D	NM	NM
SVT-11S	NM	NM
SVT-12D	NM	NM
SVT-12S	NM	NM
SVT-14S	NM	NM
SVT-15D	NM	NM
SVT-16D	NM	NM
SVT-16S	NM	NM
SVT-17D	NM	NM
SVT-17S	NM	NM
SVT-18D	NM	NM
SVT-19D	NM	NM
SVT-20D	NM	NM
SVT-20S	NM	NM
SVT-21D	NM	NM
SVT-22D	NM	NM
SVT-22S	NM	NM
SVT-23D	NM	NM
SVT-24D	NM	NM
SVT-25D	NM	NM
SVT-25S	NM	NM
SVT-26D	NM	NM
SVT-27D	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	8:00
Date:	8/21/2007	Monitoring End Time:	8:45
Weather:	sunny, 70's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.72	46	0.5	NM
Blower On?	Yes	Center Header	-4.54	113	1.0	NM
Condensate Accumulated?	No	East Header	-1.86	196	2.0	NM
Condensate Drained?	No	North Header	NM	NM	Average Differential Pressure:	NM
Primary Carbon Unit?	B	South Header	-4.93	470	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	A	Primary Carbon Influent	-6.18	104		
Offline Carbon Unit?	C	Primary Carbon Effluent	10.17	28		
Offline Carbon Unit Status	Used	System Discharge	NM	0.0-1.4		
		Blower Filter Inlet	-16			
		Blower Filter Outlet	-26			

COMMENTS
PID rented from PINE. Serial No. = 70125-366 Ambient air = 0.0 to 1.4 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

8/21/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	-1.518	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	-2.936	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	-1.553	NM
SS3	NM	NM
SS4	NM	NM
SS20	-0.101	NM
SS21	-0.597	NM
SS22	-0.577	NM
SS23	-0.332	NM
SS24	-0.443	NM
SS25	-0.741	NM
SS26	-0.437	NM
SS27	-0.168	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points
8/21/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	NM	NM
SVE-2	NM	NM
SVE-3	NM	NM
SVE-4	NM	NM
SVE-5	NM	NM
SVE-6	-4.91	152
SVE-7	-4.97	263
SVT-MW201D	NM	NM
SVT-MW201S	NM	NM
SVT-MW202D	NM	NM
SVT-MW202S	NM	NM
SVT-1D	NM	NM
SVT-2D	NM	NM
SVT-3D	NM	NM
SVT-3S	NM	NM
SVT-4D	NM	NM
SVT-5D	NM	NM
SVT-5S	NM	NM
SVT-6D	NM	NM
SVT-7D	NM	NM
SVT-8D	NM	NM
SVT-8S	NM	NM
SVT-9D	NM	NM
SVT-9S	NM	NM
SVT-10D	NM	NM
SVT-11S	NM	NM
SVT-12D	NM	NM
SVT-12S	NM	NM
SVT-14S	NM	NM
SVT-15D	NM	NM
SVT-16D	NM	NM
SVT-16S	NM	NM
SVT-17D	NM	NM
SVT-17S	NM	NM
SVT-18D	NM	NM
SVT-19D	NM	NM
SVT-20D	NM	NM
SVT-20S	NM	NM
SVT-21D	NM	NM
SVT-22D	NM	NM
SVT-22S	NM	NM
SVT-23D	NM	NM
SVT-24D	NM	NM
SVT-25D	NM	NM
SVT-25S	NM	NM
SVT-26D	NM	NM
SVT-27D	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	2:30
		Monitoring End Time:	3:15
Date:	8/22/2007		
Weather:	partly cloudy, 70's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-3.59	46	0.5	NM
Blower On?	Yes	Center Header	-3.61	118	1.0	NM
Condensate Accumulated?	No	East Header	-3.63	176	2.0	NM
Condensate Drained?	No	North Header	-3.69	8200	Average Differential Pressure:	NM
Primary Carbon Unit?	B	South Header	-3.75	467	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	A	Primary Carbon Influent	-5.7	234		
Offline Carbon Unit?	C	Primary Carbon Effluent	NM	19.4		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	-14			
		Blower Filter Outlet	-25			

COMMENTS	
Ambient air = 0.00 to 0.2 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable	North Header connected to blower for first time East header temporarily opened all the way.

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points
8/22/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	-1.381	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	-2.712	NM
EP-C9	NM	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	-0.094	NM
SS21	-0.568	NM
SS22	-0.528	NM
SS23	-0.321	NM
SS24	NM	NM
SS25	-0.709	NM
SS26	NM	NM
SS27	-0.176	NM

SVE Outdoor Monitoring Points and Extraction Points

8/22/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	-4.34	157
SVE-2	-4.31	428
SVE-3	-4.38	6450
SVE-4	-4.32	1009
SVE-5	-4.35	8000
SVE-6	-4.39	139
SVE-7	-4.37	368
SVT-MW201D	NM	NM
SVT-MW201S	NM	NM
SVT-MW202D	NM	NM
SVT-MW202S	NM	NM
SVT-1D	-0.32	1.4
SVT-2D	-0.73	19.4
SVT-3D	-0.14	5
SVT-3S	-0.31	40
SVT-4D	NM	NM
SVT-5D	-1.46	7.4*
SVT-5S	-0.52	129
SVT-6D	NM	NM
SVT-7D	NM	NM
SVT-8D	NM	NM
SVT-8S	NM	NM
SVT-9D	-0.79	1500
SVT-9S	-0.53	2500
SVT-10D	NM	NM
SVT-11S	NM	NM
SVT-12D	NM	NM
SVT-12S	NM	NM
SVT-14S	NM	NM
SVT-15D	NM	NM
SVT-16D	NM	NM
SVT-16S	NM	NM
SVT-17D	NM	NM
SVT-17S	NM	NM
SVT-18D	NM	NM
SVT-19D	NM	NM
SVT-20D	NM	NM
SVT-20S	NM	NM
SVT-21D	NM	NM
SVT-22D	NM	NM
SVT-22S	NM	NM
SVT-23D	NM	NM
SVT-24D	NM	NM
SVT-25D	NM	NM
SVT-25S	NM	NM
SVT-26D	NM	NM
SVT-27D	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	6:00
Date:	8/23/2007	Monitoring End Time:	6:30
Weather:	partly cloudy, 70's		

INSTRUMENTATION INFORMATION				
Instrument	Manufacturer	Model	Calibrated To:	Successful Calibration?
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene	Yes
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A	N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Pitot Tube Insertion Depth (inches)	Pressure Differential (in. H ₂ O)
Fenced Enclosure Secure?	Yes	West Header	-4.37	41	0.5	NM
Blower On?	Yes	Center Header	-4.3	94	1.0	NM
Condensate Accumulated?	No	East Header	-2.01	160	2.0	NM
Condensate Drained?	No	North Header	-4.48	5800	Average Differential Pressure:	NM
Primary Carbon Unit?	B	South Header	-4.5	404	Estimated System Flowrate (CFM):	NM
Secondary Carbon Unit?	A	Primary Carbon Influent	-5.81	208		
Offline Carbon Unit?	C	Primary Carbon Effluent	8.61	36		
Offline Carbon Unit Status	Used	System Discharge	NM	0.0-1.3		
		Blower Filter Inlet	-14			
		Blower Filter Outlet	-25			

COMMENTS
PID rented from PINE. Serial No. = 70125-366 Ambient air = 0.00 to 1.3 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable Carbon change out of tanks B and C after monitoring. Tank A was connected as primary following change.

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

8/23/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-3.993	228
EP-W2	-3.109	85
EP-W3	-2.348	19
EP-W4	-1.712	3
EP-W5	-1.315	0
EP-W6	-1.471	0
EP-W7	-1.417	0
EP-W8	-1.447	21
EP-C1	-3.896	11
EP-C2	-3.942	64
EP-C3	-3.676	72
EP-C4	-3.494	2220
EP-C5	-3.282	122
EP-C6	-3.039	0
EP-C7	-2.562	26
EP-C8	-2.836	24
EP-C9	-2.875	42
EP-E1	-1.843	528
EP-E2	-1.822	26
EP-E3	-1.69	5
EP-E4	-1.708	3
EP-E5	-1.697	0
SS3	-0.548	79
SS4	-0.773	16
SS20	-0.103	6100
SS21	-0.594	439
SS22	-0.543	3
SS23	-0.324	29
SS24	-0.429	0
SS25	-0.742	197
SS26	-0.431	3
SS27	-0.174	11

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

8/23/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	-4.96	89
SVE-2	-4.96	276
SVE-3	-4.97	2300
SVE-4	-4.98	465
SVE-5	-5.01	4000
SVE-6	-4.98	121
SVE-7	-4.97	266
SVT-MW201D	NM	NM
SVT-MW201S	NM	NM
SVT-MW202D	NM	NM
SVT-MW202S	NM	NM
SVT-1D	-0.36	28
SVT-2D	-0.81	38
SVT-3D	0.301	4
SVT-3S	-0.749	24
SVT-4D	0.138	38
SVT-5D	-1.736	23
SVT-5S	-0.635	42
SVT-6D	-1.257	248
SVT-7D	-0.027	4
SVT-8D	-1.98	1850
SVT-8S	-0.21	600
SVT-9D	-0.805	1370
SVT-9S	-0.31	2350
SVT-10D	-0.01	5
SVT-11S	-0.008	1.3
SVT-12D	-0.019	1.3
SVT-12S	-0.009	1.3
SVT-14S	-0.004	98
SVT-15D	-0.013	1.3
SVT-16D	-0.367	6
SVT-16S	-0.003	36
SVT-17D	NM	NM
SVT-17S	NM	NM
SVT-18D	NM	NM
SVT-19D	0.12	270
SVT-20D	0	50
SVT-20S	0	36
SVT-21D	NM	NM
SVT-22D	-0.119	290
SVT-22S	-0.003	86
SVT-23D	NM	NM
SVT-24D	NM	NM
SVT-25D	NM	NM
SVT-25S	NM	NM
SVT-26D	NM	NM
SVT-27D	NM	NM

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	L. Welch	Monitoring Start Time:	11:05
		Monitoring End Time:	11:30
Date:	8/24/2007		
Weather:	partly cloudy, 70's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Thermo Anenometer Insertion Depth (inches)	Flow velocity
Fenced Enclosure Secure?	Yes	West Header	-4.36	NM	2	5130
Blower On?	Yes	Center Header	-4.24	NM	Estimated System Flowrate (CFM):	448
Condensate Accumulated?	No	East Header	-2.03	NM		
Condensate Drained?	No	North Header	-4.46	NM		
Primary Carbon Unit?	A	South Header	-4.44	NM		
Secondary Carbon Unit?	B	Primary Carbon Influent	-5.78	NM		
Offline Carbon Unit?	C	Primary Carbon Effluent	NM	NM		
Offline Carbon Unit Status	Unused	System Discharge	NM	NM		
		Blower Filter Inlet	NM			
		Blower Filter Outlet	NM			

COMMENTS	
Ambient air = 0 to 0 ppm VOCs	PID not available
ppm = parts per million NM = Not Measured N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

8/24/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	NM	NM
EP-W2	NM	NM
EP-W3	NM	NM
EP-W4	NM	NM
EP-W5	NM	NM
EP-W6	NM	NM
EP-W7	NM	NM
EP-W8	-1.44	NM
EP-C1	NM	NM
EP-C2	NM	NM
EP-C3	NM	NM
EP-C4	NM	NM
EP-C5	NM	NM
EP-C6	NM	NM
EP-C7	NM	NM
EP-C8	NM	NM
EP-C9	-2.8	NM
EP-E1	NM	NM
EP-E2	NM	NM
EP-E3	NM	NM
EP-E4	NM	NM
EP-E5	NM	NM
SS3	NM	NM
SS4	NM	NM
SS20	-0.13	NM
SS21	NM	NM
SS22	NM	NM
SS23	NM	NM
SS24	NM	NM
SS25	-0.72	NM
SS26	NM	NM
SS27	-0.19	NM

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

8/24/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	NM	NM
SVE-2	NM	NM
SVE-3	NM	NM
SVE-4	NM	NM
SVE-5	NM	NM
SVE-6	NM	NM
SVE-7	NM	NM
SVT-MW201D	NM	NM
SVT-MW201S	NM	NM
SVT-MW202D	NM	NM
SVT-MW202S	NM	NM
SVT-1D	NM	NM
SVT-2D	NM	NM
SVT-3D	NM	NM
SVT-3S	NM	NM
SVT-4D	NM	NM
SVT-5D	NM	NM
SVT-5S	NM	NM
SVT-6D	NM	NM
SVT-7D	NM	NM
SVT-8D	NM	NM
SVT-8S	NM	NM
SVT-9D	NM	NM
SVT-9S	NM	NM
SVT-10D	NM	NM
SVT-11S	NM	NM
SVT-12D	NM	NM
SVT-12S	NM	NM
SVT-14S	NM	NM
SVT-15D	NM	NM
SVT-16D	NM	NM
SVT-16S	NM	NM
SVT-17D	NM	NM
SVT-17S	NM	NM
SVT-18D	NM	NM
SVT-19D	NM	NM
SVT-20D	NM	NM
SVT-20S	NM	NM
SVT-21D	NM	NM
SVT-22D	NM	NM
SVT-22S	NM	NM
SVT-23D	NM	NM
SVT-24D	NM	NM
SVT-25D	NM	NM
SVT-25S	NM	NM
SVT-26D	NM	NM
SVT-27D	NM	NM

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION		
GEI Field Representative(s):	T. Daigle	Monitoring Start Time: 14:00
Date:	8/28/2007	Monitoring End Time: 14:30
Weather:	sunny, 70-80°F	

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Thermo Anenometer Insertion Depth (inches)	Flow velocity
Fenced Enclosure Secure?	Yes	West Header	-4.27	38	2	4250
Blower On?	Yes	Center Header	-4.15	72	Estimated System Flowrate (CFM):	371
Condensate Accumulated?	No	East Header	-1.92	125		
Condensate Drained?	No	North Header	-4.32	2165		
Primary Carbon Unit?	A	South Header	-4.37	277		
Secondary Carbon Unit?	B	Primary Carbon Influent	-5.68	158		
Offline Carbon Unit?	C	Primary Carbon Effluent	NM	0		
Offline Carbon Unit Status	Unused	System Discharge	NM	0		
		Blower Filter Inlet	-15			
		Blower Filter Outlet	-20			

COMMENTS
Ambient air = 0 to 0.4 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

8/28/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-3.814	225
EP-W2	-3.016	115
EP-W3	-2.305	38
EP-W4	-1.676	5
EP-W5	-1.308	15
EP-W6	-1.411	8
EP-W7	-1.376	5
EP-W8	-1.408	20
EP-C1	-3.762	30
EP-C2	-3.786	83
EP-C3	-3.512	90
EP-C4	-3.352	1910
EP-C5	-3.137	128
EP-C6	-2.896	8
EP-C7	-2.424	15
EP-C8	-2.712	18
EP-C9	-2.743	20
EP-E1	-1.815	480
EP-E2	-1.755	43
EP-E3	-1.633	13
EP-E4	-1.641	4
EP-E5	-1.653	2.5
SS3	-	-
SS4	-	-
SS20	-0.104	5260
SS21	-0.588	610
SS22	-0.533	18
SS23	-0.321	53
SS24	-0.414	23
SS25	-0.709	68
SS26	-0.442	15
SS27	-0.18	25

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points
8/28/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	-4.305	30
SVE-2	-4.307	55
SVE-3	-4.267	630
SVE-4	-4.315	726
SVE-5	-4.318	4040
SVE-6	-4.366	72
SVE-7	-4.376	165
	-0.045	0
SVT-MW201D	0	0
SVT-MW201S	-0.013	0
SVT-MW202D	0	0
SVT-MW202S	-0.6	2.5
SVT-1D	-1.1	5
SVT-2D	0.36	12.4
SVT-3D	-0.07	7.5
SVT-3S	0.25	17.5
SVT-4D	-1.49	0
SVT-5D	-0.54	2.5
SVT-5S	-1.19	53
SVT-6D	-0.025	2.5
SVT-7D	-1.731	541
SVT-8D	-0.183	180
SVT-8S	-0.778	830
SVT-9D	-0.695	2029
SVT-9S	0.394	38
SVT-10D	-0.008	35
SVT-11S	-0.021	40
SVT-12D	-0.01	38
SVT-12S	-0.006	162
SVT-14S	-0.015	0
SVT-15D	-0.305	18
SVT-16D	-0.007	33
SVT-16S	0.68	30
SVT-17D	0.006	33
SVT-17S	0.006	68
SVT-18D	-0.011	190
SVT-19D	0.003	30
SVT-20D	0	26
SVT-20S	0.004	50
SVT-21D	-0.181	208
SVT-22D	-0.005	60
SVT-22S	NM	NM
SVT-23D	0	23
SVT-24D	NM	NM
SVT-25D	NM	NM
SVT-25S	NM	NM
SVT-26D	NM	NM
SVT-27D	NM	NM

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	9:00
Date:	9/4/2007	Monitoring End Time:	9:30
Weather:	sunny, 70°F		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Thermo Anenometer Insertion Depth (inches)	Flow velocity
Fenced Enclosure Secure?	Yes	West Header	-4.28	60	2	NM
Blower On?	Yes	Center Header	-4.23	113	Estimated System Flowrate (CFM):	
Condensate Accumulated?	No	East Header	-2.13	199		
Condensate Drained?	No	North Header	-4.41	2278		
Primary Carbon Unit?	A	South Header	-4.44	387		
Secondary Carbon Unit?	B	Primary Carbon Influent	-5.74	209		
Offline Carbon Unit?	C	Primary Carbon Effluent	NM	52		
Offline Carbon Unit Status	Unused	System Discharge	NM	0.2		
		Blower Filter Inlet	-15			
		Blower Filter Outlet	-20			

COMMENTS	
Ambient air = 0 to 0.2 ppm VOCs	PID rented from PINE Serial No. 79662-414
Based on Tank A effluent, Tank B was connected as the primary tank and tank C as the secondary following monitoring.	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

9/4/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-3.784	266
EP-W2	-2.962	117
EP-W3	-2.235	26
EP-W4	-1.611	2.5
EP-W5	-1.247	1
EP-W6	-1.382	1
EP-W7	-1.345	2
EP-W8	-1.364	20
EP-C1	-3.733	10.3
EP-C2	-3.754	80
EP-C3	-3.525	102
EP-C4	-3.349	1700
EP-C5	-3.14	148
EP-C6	-2.92	1.3
EP-C7	-2.457	15
EP-C8	-2.736	16.2
EP-C9	-2.775	10
EP-E1	-1.923	560
EP-E2	-1.886	33
EP-E3	-1.751	4.3
EP-E4	-1.759	3.2
EP-E5	-1.768	1
SS3	-0.259	121
SS4	-0.739	107
SS20	-0.117	1800
SS21	-0.611	572
SS22	-0.528	0.5
SS23	-0.328	42
SS24	-0.414	0.5
SS25	-0.719	229
SS26	-0.42	1.2
SS27	-0.167	1.7

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

9/4/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	-4.31	22
SVE-2	-4.32	49
SVE-3	-4.28	621
SVE-4	-4.3	510
SVE-5	-4.29	1500
SVE-6	-4.39	102
SVE-7	-4.41	320
SVT-MW201D	-0.049	2
SVT-MW201S	-0.004	3.5
SVT-MW202D	-0.012	0.5
SVT-MW202S	0	1.5
SVT-1D	-0.327	7.5
SVT-2D	-0.715	10.7
SVT-3D	-0.058	22
SVT-3S	-0.074	11.6
SVT-4D	-0.065	21
SVT-5D	-1.443	30
SVT-5S	-0.523	11.7
SVT-6D	-1.187	67
SVT-7D	-0.03	1.3
SVT-8D	-0.18	196
SVT-8S	-1.697	734
SVT-9D	-0.769	1000
SVT-9S	-0.285	1300
SVT-10D	0.11	4
SVT-11S	-0.007	0.5
SVT-12D	-0.008	3
SVT-12S	0.314	8
SVT-14S	-0.003	148
SVT-15D	-0.013	1.5
SVT-16D	-0.221	29
SVT-16S	-0.287	90
SVT-17D	0.41	53
SVT-17S	0	45
SVT-18D	0.004	123
SVT-19D	-0.007	266
SVT-20D	0	33
SVT-20S	0	29
SVT-21D	0	87
SVT-22D	-0.185	140
SVT-22S	-0.173	55
SVT-23D	NM	NM
SVT-24D	0	28
SVT-25D	0	30
SVT-25S	0	0
SVT-26D	0	0.6
SVT-27D	0.004	0.4

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	10:15
Date:	9/11/2007	Monitoring End Time:	10:45
Weather:	cloudy, rain, 60's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements		System Flow Rate Data		
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Thermo Anenometer Insertion Depth (inches)	Flow velocity
Fenced Enclosure Secure?	Yes	West Header	-4.15	50.5	2	4220
Blower On?	Yes	Center Header	-4.07	90.9	Estimated System Flowrate (CFM):	368
Condensate Accumulated?	No	East Header	-2.05	157.1		
Condensate Drained?	No	North Header	-4.26	1750		
Primary Carbon Unit?	B	South Header	-4.27	486		
Secondary Carbon Unit?	C	Primary Carbon Influent	-5.56	175.9		
Offline Carbon Unit?	A	Primary Carbon Effluent	10.89	0		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	-15			
		Blower Filter Outlet	-20			

COMMENTS	
Ambient air = 0 to 0 ppm VOCs ppm = parts per million NM = Not Measured N/A = Not Applicable	
PID rented from PINE. Serial No. 79662-414 Outdoor SVE monitoring occurred on 9/12/07 due to rain	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

9/11/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-3.789	950
EP-W2	-2.913	170
EP-W3	-2.179	48
EP-W4	-1.569	14.4
EP-W5	-1.178	0.3
EP-W6	-1.329	0
EP-W7	-1.279	0.5
EP-W8	-1.298	17.2
EP-C1	-3.724	86
EP-C2	-3.753	344
EP-C3	-3.507	451
EP-C4	-3.335	2500
EP-C5	-3.131	145.3
EP-C6	-2.867	1.3
EP-C7	-2.419	10
EP-C8	-2.665	12.2
EP-C9	-2.707	7
EP-E1	-1.976	1000
EP-E2	-1.865	109
EP-E3	-1.743	9
EP-E4	-1.724	2.5
EP-E5	-1.712	0.5
SS3	-0.284	2000
SS4	-0.76	1700
SS20	-0.119	4000
SS21	-0.568	1200
SS22	-0.487	0
SS23	-0.294	41.1
SS24	-0.401	0
SS25	-0.705	252
SS26	-0.396	0
SS27	-0.17	14.6

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

9/12/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	-4.387	184
SVE-2	-4.345	162
SVE-3	-4.33	491
SVE-4	-4.35	340
SVE-5	-4.36	1200
SVE-6	-4.46	312
SVE-7	-4.46	790
SVT-MW201D	-0.065	20
SVT-MW201S	-0.004	15
SVT-MW202D	-0.019	0
SVT-MW202S	0	0
SVT-1D	-0.321	0.5
SVT-2D	-0.753	124
SVT-3D	-0.149	15
SVT-3S	-0.095	3.2
SVT-4D	-0.107	16
SVT-5D	-1.594	105
SVT-5S	-0.703	124
SVT-6D	-1.351	44
SVT-7D	-0.017	0
SVT-8D	-1.827	7000
SVT-8S	-0.258	1050
SVT-9D	-1.003	1000
SVT-9S	-1.102	928
SVT-10D	-0.016	0
SVT-11S	-0.048	0
SVT-12D	-0.161	5
SVT-12S	-0.09	0
SVT-14S	-0.008	115
SVT-15D	-0.013	0
SVT-16D	-0.01	36
SVT-16S	-0.009	73
SVT-17D	-0.006	114
SVT-17S	-0.005	45
SVT-18D	0	137
SVT-19D	-0.012	420
SVT-20D	0	91
SVT-20S	0	70
SVT-21D	-0.002	125
SVT-22D	-0.264	870
SVT-22S	-0.005	163
SVT-23D	NM	NM
SVT-24D	0	76
SVT-25D	0	34
SVT-25S	0	0
SVT-26D	0	7
SVT-27D	0	0

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	7:45
		Monitoring End Time:	1:30
Date:	9/18/2007		
Weather:	sunny, 50-60°F		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Thermo Anenometer Insertion Depth (inches)	Flow velocity
Fenced Enclosure Secure?	Yes	West Header	-4.35	49	2	3900
Blower On?	Yes	Center Header	-4.29	96	Estimated System Flowrate (CFM):	340
Condensate Accumulated?	No	East Header	-1.96	159		
Condensate Drained?	No	North Header	-4.47	1760		
Primary Carbon Unit?	B	South Header	-4.48	308		
Secondary Carbon Unit?	C	Primary Carbon Influent	-5.82	178		
Offline Carbon Unit?	A	Primary Carbon Effluent	11.12	9		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	-15			
		Blower Filter Outlet	-25			

COMMENTS
Ambient air = 0 to 0 ppm VOCs
ppm = parts per million
NM = Not Measured
N/A = Not Applicable
PID rented from PINE. Serial no: 79662-414

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

9/18/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-3.751	224
EP-W2	-2.873	85
EP-W3	-2.162	27
EP-W4	-1.585	0
EP-W5	-1.219	0
EP-W6	-1.343	0
EP-W7	-1.287	0
EP-W8	-1.316	11
EP-C1	-3.702	8
EP-C2	-3.726	70
EP-C3	-3.476	55
EP-C4	-3.252	1330
EP-C5	-3.109	115
EP-C6	-2.869	0
EP-C7	-2.383	8
EP-C8	-2.638	7.5
EP-C9	-2.672	4.5
EP-E1	-1.744	460
EP-E2	-1.691	21
EP-E3	-1.556	2
EP-E4	-1.584	1
EP-E5	-1.594	0
SS3	-0.287	64
SS4	-0.724	107
SS20	-0.112	1200
SS21	-0.475	342
SS22	-0.531	0
SS23	-0.312	27
SS24	-0.398	0
SS25	-0.697	192
SS26	-0.364	0
SS27	-0.166	9

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

9/18/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	-4.3	12
SVE-2	-4.31	22
SVE-3	-4.27	426
SVE-4	-4.31	224
SVE-5	-4.31	1100
SVE-6	-4.44	112
SVE-7	-4.45	258
SVT-MW201D	-0.048	1
SVT-MW201S	-0.005	2
SVT-MW202D	-0.018	0
SVT-MW202S	0	0
SVT-1D	-1.405	2
SVT-2D	-0.712	1
SVT-3D	-0.092	0
SVT-3S	-0.085	4
SVT-4D	-0.092	1
SVT-5D	-1.517	11
SVT-5S	-0.636	5
SVT-6D	-1.217	13
SVT-7D	-0.032	1
SVT-8D	-1.642	116
SVT-8S	-0.214	707
SVT-9D	-0.836	1173
SVT-9S	-1.011	632
SVT-10D	NM	1
SVT-11S	NM	0
SVT-12D	-0.125	6
SVT-12S	NM	1.3
SVT-14S	-0.005	117
SVT-15D	-0.015	0
SVT-16D	-0.155	21
SVT-16S	0	30
SVT-17D	0	41
SVT-17S	0	35
SVT-18D	0	164
SVT-19D	0	441
SVT-20D	0	72
SVT-20S	0	48
SVT-21D	0	101
SVT-22D	-0.209	141
SVT-22S	0	11
SVT-23D	0.234	27
SVT-24D	0	49
SVT-25D	0	28
SVT-25S	0	0
SVT-26D	0	0
SVT-27D	0.006	0

Weekly SSDS Inspection Log for 50 Tufts St

GENERAL MONITORING INFORMATION			
GEI Field Representative(s):	T. Daigle	Monitoring Start Time:	11:15
Date:	9/25/2007	Monitoring End Time:	11:45
Weather:	sunny, 80's		

INSTRUMENTATION INFORMATION			
Instrument	Manufacturer	Model	Calibrated To:
PID (ppm)	Thermo Env. Instruments, Inc	580B	100 ppm Isobutylene
Manometer (in H ₂ O)	Dwyer	Mark III-475-0 Series	N/A
			Successful Calibration?
			Yes
			N/A

FIELD MEASUREMENTS / OBSERVATIONS						
System Status/Configuration		Pressure/VOC Measurements			System Flow Rate Data	
		Monitoring Point	Pressure (in. H ₂ O)	VOC (ppm)	Thermo Anenometer Insertion Depth (inches)	Flow velocity
Fenced Enclosure Secure?	Yes	West Header	-4.24	36	2	4350
Blower On?	Yes	Center Header	-4.17	70	Estimated System Flowrate (CFM):	380
Condensate Accumulated?	No	East Header	-1.96	136		
Condensate Drained?	No	North Header	-4.31	931		
Primary Carbon Unit?	B	South Header	-4.32	177		
Secondary Carbon Unit?	C	Primary Carbon Influent	-5.69	136		
Offline Carbon Unit?	A	Primary Carbon Effluent	10.52	51		
Offline Carbon Unit Status	Used	System Discharge	NM	0		
		Blower Filter Inlet	-15			
		Blower Filter Outlet	-19			

COMMENTS	
Ambient air = 0 to 0 ppm VOCs	PID rented from PINE. Serial no: 79662-414
ppm = parts per million NM = Not Measured N/A = Not Applicable	

Weekly SSDS Inspection Log for 50 Tufts St

SSDS Indoor Monitoring Points and Extraction Points

9/25/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
EP-W1	-3.633	232
EP-W2	-2.864	89.4
EP-W3	-2.163	23.6
EP-W4	-1.584	0.3
EP-W5	-1.221	0
EP-W6	-1.345	0
EP-W7	-1.308	0.2
EP-W8	-1.331	11
EP-C1	-3.591	10.5
EP-C2	-3.637	66
EP-C3	-3.398	76.7
EP-C4	-3.215	1230
EP-C5	-3.085	120.1
EP-C6	-2.772	0
EP-C7	-2.381	5.3
EP-C8	-2.634	6.5
EP-C9	-2.662	3.8
EP-E1	-1.761	457
EP-E2	-1.717	22.1
EP-E3	-1.591	1.5
EP-E4	-1.613	1.2
EP-E5	-1.623	0
SS3	-0.568	107
SS4	-0.716	87
SS20	-0.107	1600
SS21	-0.587	390
SS22	-0.502	209
SS23	-0.315	31.9
SS24	-0.417	0
SS25	-0.717	182
SS26	-0.408	0
SS27	-0.167	10.1

Weekly SSDS Inspection Log for 50 Tufts St

SVE Outdoor Monitoring Points and Extraction Points

9/25/2007

Monitoring Point	Pressure (in. wc)	VOC (ppm)
SVE-1	-4.16	11.8
SVE-2	-4.12	22.5
SVE-3	-4.11	479
SVE-4	-4.15	213
SVE-5	-4.16	1519
SVE-6	-4.25	87
SVE-7	-4.24	330
SVT-MW201D	-0.052	1.7
SVT-MW201S	0	1.8
SVT-MW202D	-0.008	0
SVT-MW202S	0	0.2
SVT-1D	-0.226	0
SVT-2D	-0.669	0
SVT-3D	-0.096	9.1
SVT-3S	-0.286	3.8
SVT-4D	-0.074	7.5
SVT-5D	-1.358	12.1
SVT-5S	-0.545	5.2
SVT-6D	-1.141	25.8
SVT-7D	-0.022	0.2
SVT-8D	-1.568	199
SVT-8S	-0.171	534
SVT-9D	-0.716	933
SVT-9S	-0.347	877
SVT-10D	-0.008	2.2
SVT-11S	-0.005	0
SVT-12D	NM	NM
SVT-12S	NM	0
SVT-14S	-0.005	24.6
SVT-15D	-0.014	0
SVT-16D	-0.219	14
SVT-16S	-0.18	47
SVT-17D	-0.011	38
SVT-17S	-0.007	31
SVT-18D	0	147
SVT-19D	-0.007	291
SVT-20D	0	39
SVT-20S	0	23
SVT-21D	0.36	79
SVT-22D	-0.17	99
SVT-22S	-0.15	6
SVT-23D	0.34	40
SVT-24D	0	33
SVT-25D	NM	NM
SVT-25S	NM	NM
SVT-26D	NM	NM
SVT-27D	NM	NM



SOIL VAPOR SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **SVT-MW202S**

Date: **7/17/2007**
Sampling personnel: **T. Daigle Tom Chase**
Summa Canister ID: **M066**
Flow Regulator ID: **MC101**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **11:44:00 AM**
Sampling Finish Time: **12:44:00 PM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **30in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **5 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	86.3	86.0
Barometric Pressure (in. Hg):	30.07	30.06
Prevailing Wind Direction:	Calm	Calm
General Weather Conditions:	Cloudy	Cloudy

Photographs taken before sampling? **No** If Yes, what time: Taken by:

Comments: **Ambient air concentration is high because PID was not zeroing properly**

Vacuum prior to sampling (in.w.c.): **0.000**
Ambient air concentration (ppb): **200-700**
Soil gas concentration prior to sampling (ppb): **3600**
Amount of air purged prior to sampling (liters): **0**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



SOIL VAPOR SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **SVT-22D**

Date: **7/17/2007**
Sampling personnel: **T. Daigle Tom Chase**
Summa Canister ID: **M016**
Flow Regulator ID: **MC117**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **8:56:00 AM**
Sampling Finish Time: **9:48:00 AM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **29 in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **4 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	75.6	78.9
Barometric Pressure (in. Hg):	30.06	30.07
Prevailing Wind Direction:	Calm	Calm
General Weather Conditions:	Partly cloudy	Partly cloudy

Photographs taken before sampling? **No** If Yes, what time: Taken by:

Comments: **Ambient air concentration is high because PID was not zeroing properly**

Vacuum prior to sampling (in.w.c.): **-0.008**
Ambient air concentration (ppb): **200-700**
Soil gas concentration prior to sampling (ppb): **1590000**
Amount of air purged prior to sampling (liters): **0**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



SOIL VAPOR SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **SVT-14S**

Date: **7/17/2007**
Sampling personnel: **T. Daigle Tom Chase**
Summa Canister ID: **M029**
Flow Regulator ID: **MC070**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **9:07:00 AM**
Sampling Finish Time: **9:42:00 AM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **28.5in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **3 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	75.6	78.9
Barometric Pressure (in. Hg):	30.06	30.07
Prevailing Wind Direction:	Calm	Calm
General Weather Conditions:	Partly cloudy	Partly cloudy

Photographs taken before sampling? **No** If Yes, what time: Taken by:

Comments: **Ambient air concentration is high because PID was not zeroing properly**

Vacuum prior to sampling (in.w.c.): **-0.001**
Ambient air concentration (ppb): **200-700**
Soil gas concentration prior to sampling (ppb): **97900**
Amount of air purged prior to sampling (liters): **0**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



SOIL VAPOR SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **SVT-8D**

Date: **7/17/2007**
Sampling personnel: **T. Daigle Tom Chase**
Summa Canister ID: **M078**
Flow Regulator ID: **MFC017**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **9:20:00 AM**
Sampling Finish Time: **11:21:00 AM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **30in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **4 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	75.6	86.3
Barometric Pressure (in. Hg):	30.06	30.07
Prevailing Wind Direction:	Calm	Calm
General Weather Conditions:	Cloudy	Cloudy

Photographs taken before sampling? **No** If Yes, what time: Taken by:

Comments: **Ambient air concentration is high because PID was not zeroing properly**

Vacuum prior to sampling (in.w.c.): **-0.003**
Ambient air concentration (ppb): **200-700**
Soil gas concentration prior to sampling (ppb): **1390000**
Amount of air purged prior to sampling (liters): **0**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



CARBON SYSTEM SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **INF**

Date: **6/12/2007**
Sampling personnel: **L. Welch**
Summa Canister ID: **M074**
Flow Regulator ID: **MC119**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **11:36:00 AM**
Sampling Finish Time: **1:37:00 PM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **30in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **5 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	64	68
Barometric Pressure (in. Hg):	29.97	29.96
Prevailing Wind Direction:	E	E
General Weather Conditions:	Cloudy	Cloudy

Photographs taken before sampling? **Yes** If Yes, what time: Taken by: **L. Welch**

Comments: **sample from SSDS combined influent sample port**

Vacuum prior to sampling (in.w.c.): **NM**
Ambient air concentration (ppb): **0**
Soil gas concentration prior to sampling (ppb): **92300**
Amount of air purged prior to sampling (liters): **none**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



CARBON SYSTEM SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **EFF**

Date: **6/12/2007**
Sampling personnel: **L. Welch**
Summa Canister ID: **M092**
Flow Regulator ID: **MC102**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **11:39:00 AM**
Sampling Finish Time: **12:30:00 PM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **29 in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **3 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	64	68
Barometric Pressure (in. Hg):	29.97	29.96
Prevailing Wind Direction:	E	E
General Weather Conditions:	Cloudy	Cloudy

Photographs taken before sampling? **Yes** If Yes, what time: Taken by: **L. Welch**

Comments: **sample from SSDS system discharge sample port a top of tank B**

Vacuum prior to sampling (in.w.c.): **NM**
Ambient air concentration (ppb): **0**
Soil gas concentration prior to sampling (ppb): **N/A**
Amount of air purged prior to sampling (liters): **none**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



CARBON SYSTEM SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **EFF**

Date: **5/1/2007**
Sampling personnel: **L. Welch**
Summa Canister ID: **M018**
Flow Regulator ID: **MC080**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **10:46:00 AM**
Sampling Finish Time: **11:28:00 AM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **29in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **3 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	55	62
Barometric Pressure (in. Hg):	29.98	30.00
Prevailing Wind Direction:	W	W
General Weather Conditions:	Sunny	Sunny

Photographs taken before sampling? **Yes** If Yes, what time: Taken by: **L. Welch**

Comments: **sample from SSDS system discharge port**

Vacuum prior to sampling (in.w.c.): **NM**
Ambient air concentration (ppb): **0**
Soil gas concentration prior to sampling (ppb): **N/A**
Amount of air purged prior to sampling (liters): **none**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



CARBON SYSTEM SAMPLING CHECKLIST

Sampling Location:
50 Tufts Street

Sample ID: **INF**

Date: **5/1/2007**
Sampling personnel: **L. Welch**
Summa Canister ID: **M104**
Flow Regulator ID: **MC081**
Sample Type / Analysis Method: **Summa/TO-15**
Sampling Start Time: **10:46:00 AM**
Sampling Finish Time: **12:28:00 PM**

Did Summa Canister go to ambient pressure? **No**

Pressure gauge reading (Pre-opening): Flow Controller: **29in/hr**

Pressure gauge reading (After sample collected): Flow Controller: **4 in/hr**

Environmental Conditions (Outside):	<u>Before Sampling</u>	<u>After Sampling</u>
Temperature (°F):	55	62
Barometric Pressure (in. Hg):	29.98	30.00
Prevailing Wind Direction:	W	W
General Weather Conditions:	Sunny	Sunny

Photographs taken before sampling? **Yes** If Yes, what time: Taken by: **L. Welch**

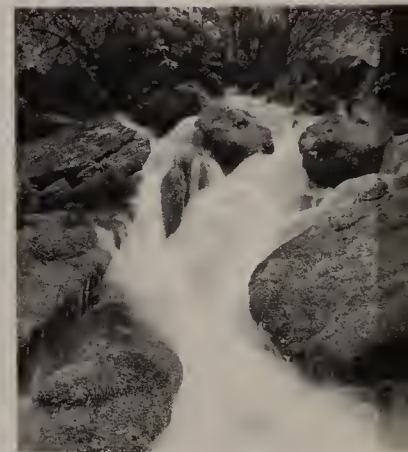
Comments: **sample fromSSDS combined influent sample port.**

Vacuum prior to sampling (in.w.c.): **NM**
Ambient air concentration (ppb): **0**
Soil gas concentration prior to sampling (ppb): **251000**
Amount of air purged prior to sampling (liters): **none**

* Ambient air concentrations and soil gas concentrations measured with a photoionization detector (PID).



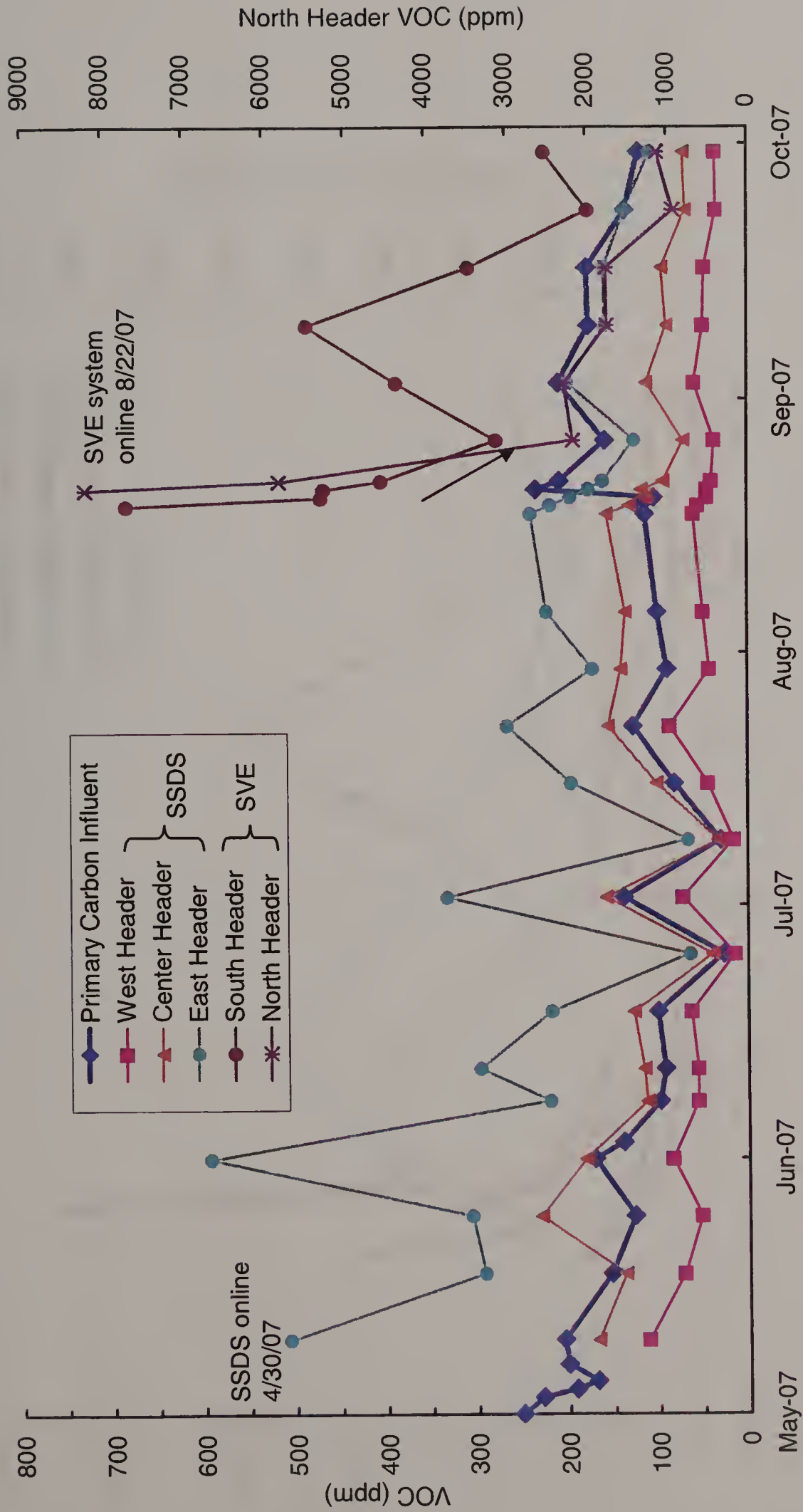
Geotechnical
Environmental and
Water Resources
Engineering



ATTACHMENT C

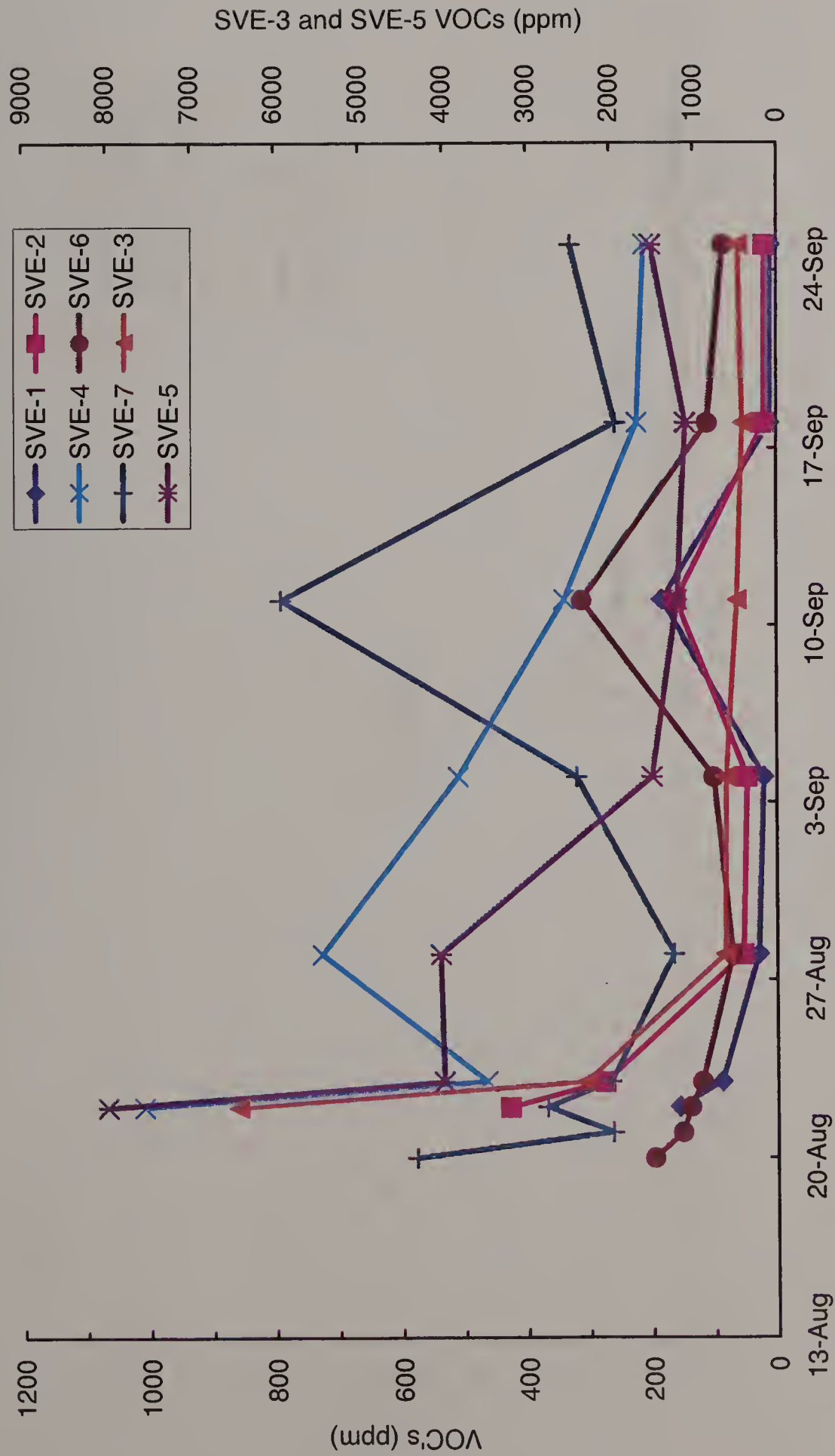
Graphs of SSDS and Sub-Slab Total VOC Concentrations

Graph 1
 SSDS and SVE Header Pipe VOC Concentrations 50 Tufts Street
 Somerville, Massachusetts

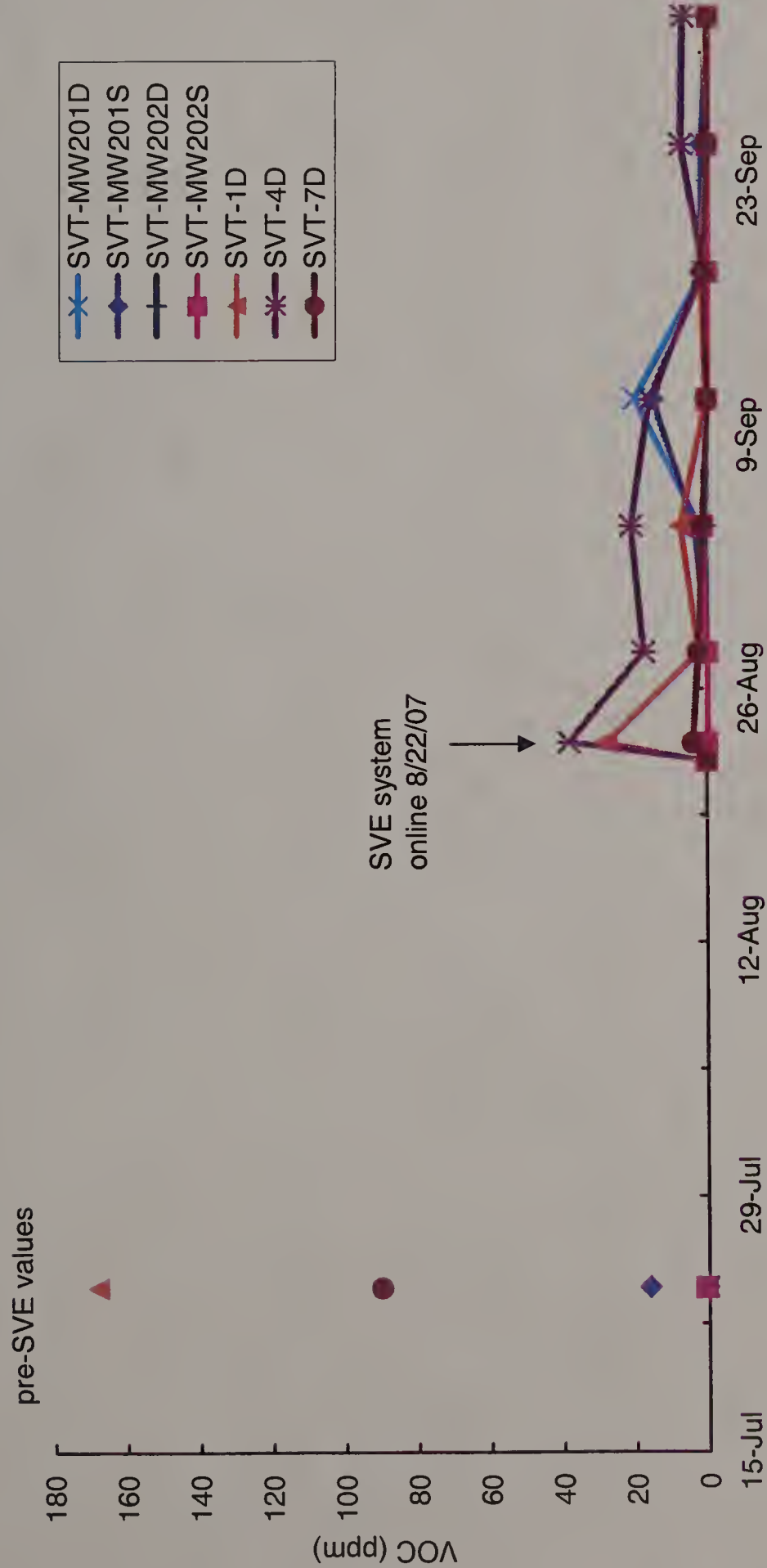


--VOC results on 6/26 and 7/10 using a PID may be biased low due to a low flow rate throught the PID.

Graph 2
 SVE Extraction Point VOC Concentrations
 50 Tufts Street
 Somerville, Massachusetts

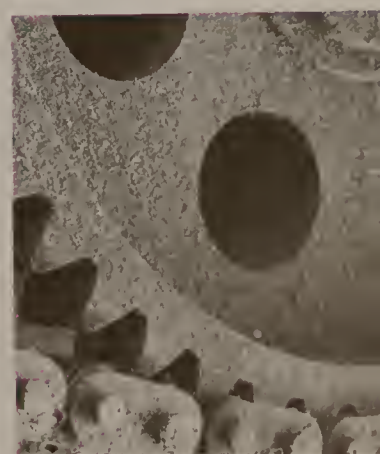
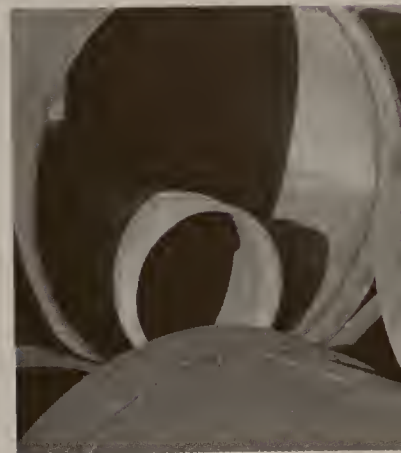


Graph 3
Soil Vapor Monitoring Point VOC Concentrations 60 Tufts Street
50 Tufts Street
Somerville, Massachusetts





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ATTACHMENT D
Laboratory Data Reports

Remedial Monitoring Report No. 6B
Lab Data Reports

50 Tufts Street, Somerville, MA
DEP RTN 3-23246

Prepared by:



Submitted to:
Mass DEP
November 2007
GEI Project 045162

